

BK	NUM	HEADER_TEXT
5	33	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 16 October, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tankbarges enroute to the Agrico Chemical dock, Herculaneum, MO (mile 153.4 UMR). Your engines are making turns for 6.5 mph in still water.</p>
5	43	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1745, on 25 August, you depart Memphis Harbor, McKellar Lake (mile 726.0 AHP - LMR) enroute to Baton Rouge, LA, with a tow of twelve empty gasoline barges.</p>
5	54	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1707, on 23 May, you get underway from mile 234.2 AHP enroute to Louisville, KY (mile 612.6 OR).</p>
5	64	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 3 January, you get underway from Morganza, LA, (mile 278.3 AHP) enroute to the Eagle Marine Docks, LDB, in St. Louis.</p>
5	74	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 21 September, you are making up your tow at the fleeting area in Cairo, IL (mile 980.6 Ohio River). You get underway at 0952 enroute to New Orleans with a mixed tow.</p>

5	84	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1015, on 16 April, you are at the Amoco Pipeline Co. Docks (253.6 AHP), when you get underway, enroute Institute, WV with a tow of eight barges carrying molten sulphur.</p>
5	94	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>AT 1835, on 10 August, you are downbound on the Upper Mississippi River at St. Louis, MO (mile 184.0 UMR), with a mixed tow of 6 loaded, covered hopper barges, 2 loaded tank barges, and 2 empty hopper barges.</p>
5	108	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, ILssouri to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0815, on the 16 of April, you depart the Exxon Refinery Docks(mile 232 AHP) bound for the fleeting area at Sycamore Chute Light(740.3 AHP).</p>
5	109	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0630, on 15 March, you are upbound on the Lower Mississippi River passing Kaiser Aluminum &amp; Chemical Corp. (mile 234.0 AHP).</p>
5	119	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, ILssouri to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On the 10th of May at 1130, you leave the fleeting area at Gartness Lt.(mile 227.8 AHP) bound for the Monsanto Terminal in St. Louis (mile 178.0 UMR). Your engines turn for 8.5 mph in still water.</p>

5	148	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1315, on the 5 of October, you depart the Sycamore Chute fleeting area(mile 740.5 AHP) at Memphis, TN bound for Donaldsonville, LA.(mile 175.0 AHP)</p>																																													
5	149	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0620 on 25 November, you depart Cape Girardeau fleeting area (mile 53.0 UMR) bound for the Gold Bond Building Products Wharf in New Orleans, LA, (mile 102.0 AHP).</p>																																													
5	159	<p>The following questions (1-10) are based on the C of E Mississippi River Maps (Cairo, IL, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>You are making up your tow at the fleeting area at Cairo Point, Il(mile 980.8 Ohio River). At 0952, on 21 September, you get underway enroute to New Orleans with a mixed tow.</p>																																													
5	181	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel has a draft of 10 feet (3 meters), and your height of eye is 20 feet (6.1 meters). Use 10°W variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td></td> <td>3°E</td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td></td> <td>3°E</td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td></td> <td>2°E</td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td></td> <td>1°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°		3°E	030°	1°W		150°	1°W		270°		3°E	060°	2°W		180°	1°E		300°		2°E	090°	4°W		210°	2°E		330°		1°E
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5	199	<p>The following questions should be answered using chart number 13205TR, Block Island and Approaches, and supporting publications.</p> <p>You are steering a westerly course and approaching Block Island Sound. The variation for the area is 15°W. The gyro error is 2°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>0.0°</td> <td>180°</td> <td></td> <td>0.0°</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°W</td> <td>210°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>060°</td> <td></td> <td>3.0°W</td> <td>240°</td> <td></td> <td>2.0°E</td> </tr> <tr> <td>090°</td> <td></td> <td>2.0°W</td> <td>270°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>150°</td> <td></td> <td>0.0°</td> <td>330°</td> <td></td> <td>0.0°</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		0.0°	180°		0.0°	030°		1.0°W	210°		1.0°E	060°		3.0°W	240°		2.0°E	090°		2.0°W	270°		1.5°E	120°		1.0°W	300°		1.0°E	150°		0.0°	330°		0.0°
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5	217	<p>The following questions are to be answered by using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your draft is 14 feet (4.2 meters). Use 10°W for variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>2.0°E</td> <td>180°</td> <td></td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°E</td> <td>210°</td> <td></td> <td>1.0°W</td> </tr> <tr> <td>060°</td> <td></td> <td>0.0°</td> <td>240°</td> <td></td> <td>0.5°W</td> </tr> <tr> <td>090°</td> <td></td> <td>0.5°W</td> <td>270°</td> <td></td> <td>0.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>150°</td> <td></td> <td>2.0°W</td> <td>330°</td> <td></td> <td>2.5°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		2.0°E	180°		2.0°W	030°		1.0°E	210°		1.0°W	060°		0.0°	240°		0.5°W	090°		0.5°W	270°		0.5°E	120°		1.0°W	300°		1.5°E	150°		2.0°W	330°		2.5°E
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5	232	<p>The following questions are to be answered by using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your draft is 11 feet (3.3 meters). Use 14°W for variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG. MAG.</th> <th>DEV.</th> <th>HDG. MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>2.0°E</td> <td>180°</td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td>1.0°E</td> <td>210°</td> <td>1.0°W</td> </tr> <tr> <td>060°</td> <td>0.5°W</td> <td>270°</td> <td>0.5°E</td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>1.5°E</td> </tr> <tr> <td>150°</td> <td>2.0°W</td> <td>330°</td> <td>2.5°E</td> </tr> </tbody> </table>	HDG. MAG.	DEV.	HDG. MAG.	DEV.	000°	2.0°E	180°	2.0°W	030°	1.0°E	210°	1.0°W	060°	0.5°W	270°	0.5°E	120°	1.0°W	300°	1.5°E	150°	2.0°W	330°	2.5°E						
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5	247	<p>The following questions are based on chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 8.5 feet (2.6 meters). Use 14°W variation where required.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG. MAG.</th> <th>DEV.</th> <th>HDG. MAG.</th> <th>DEV.</th> <th>HDG. MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> </tr> </tbody> </table>	HDG. MAG.	DEV.	HDG. MAG.	DEV.	HDG. MAG.	DEV.	000°	0°	120°	2°W	240°	3°E	030°	1°W	150°	1°W	270°	3°E	060°	2°W	180°	1°E	300°	2°E	090°	4°W	210°	2°E	330°	1°E
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5	263	<p>The following questions should be answered using chart number 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 9 feet (2.7 meters). You are turning for 7.5 knots. Your height of eye is 25 feet (7.6 meters). The variation for the area is 14°W.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>0.0°</td> <td>180°</td> <td></td> <td>0.0°</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°W</td> <td>210°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>060°</td> <td></td> <td>3.0°W</td> <td>240°</td> <td></td> <td>2.0°E</td> </tr> <tr> <td>090°</td> <td></td> <td>2.0°W</td> <td>270°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>150°</td> <td></td> <td>0.0°</td> <td>330°</td> <td></td> <td>0.0°</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		0.0°	180°		0.0°	030°		1.0°W	210°		1.0°E	060°		3.0°W	240°		2.0°E	090°		2.0°W	270°		1.5°E	120°		1.0°W	300°		1.0°E	150°		0.0°	330°		0.0°			
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5	313	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel has a draft of 9.0 feet (2.7 meters). Your height of eye is 15 feet (4.6 meters). Use 10°W variation where required. The gyro error is 2°W.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	326	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>The draft of your tow is 27 feet (8.2 meters). Use 10°W variation where required. There is no gyro error.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	551	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 12 feet (3.6 meters) and your height of eye is 16 feet (4.8 meters). Gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120	2°W	240°	3°E				030°	1°W	150	1°W	270°	3°E				060°	2°W	180	1°E	300°	2°E				090°	4°W	210	2°E	330°	1°E			
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5	566	<p>The following questions should be answered using chart 12221TR, and the supporting publications.</p> <p>The height of eye is 29 feet (8.8 meters). Your draft is 11 feet (3.4 meters). The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1" data-bbox="283 552 1039 716"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5	593	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1215, on July 23, you get underway from The First Nitrogen Barge dock at mile 173.6 AHP enroute to Racine, OH(mile 241.6 OR).</p>																																													
5	634	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1914, on 21 June, you depart the Alton Barge Docks at Alton, IL (Mile 202.0 UMR), with a mixed tow of 6 loaded covered hopper barges, 2 loaded tank barges, and 2 empty hopper barges.</p>																																													
5	672	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 9 September, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tank barges enroute to the Alton Barge Terminal, Alton, IL (mile 202.0 UMR). Your engines are making turns for 7.5 mph in still water.</p>																																													

5	688	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1515, on 23 May, you get underway from the Amoco Pipeline Co. docks(253.6 AHP), enroute to Pittsburgh, PA, with a tow of six barges carrying asphalt.</p>
5	1117	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 3 January you get underway from Hall-Buck Coke Terminal Dock, Baton Rouge, LA, (mile 233.0 AHP) enroute to the Mobile Oil Docks (east side),(mile 176.4 UMR), in St. Louis.</p>
5	1127	<p>The following questions (1-10) are based on the C of E Mississippi River Maps (Cairo, IL, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>You are making up your tow at the fleeting area at Cairo Point, Il(mile 980.8 Ohio River). At 0952, on 21 September, you get underway enroute to New Orleans with a mixed tow.</p>
5	1137	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1215, on May 23, you get underway from The First Nitrogen Barge dock at mile 173.6 AHP enroute to Racine, OH(mile 241.6 OR).</p>
5	1147	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1914, on 21 June, you depart the Alton Barge Docks at Alton, Il (Mile 202.0 UMR), with a mixed tow of 6 loaded covered hopper barges, 2 loaded tank barges, and 2 empty hopper barges.</p>

5	1224	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 9 September, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tank barges enroute to the Alton Barge Terminal, Alton, IL (mile 202.0 UMR). Your engines are making turns for 7.5 mph in still water.</p>
5	1234	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1515, on 23 May, you get underway fromt the Amoco Pipeline Co. docks(253.6 AHP), enroute to Pittsburgh, PA, with a tow of six barges carrying asphalt.</p>
5	1244	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 2345, on 25 December, you depart Vulcan Chemicals, Memphis Harbor, McKellar Lake (mile 726.0 AHP - LMR) enroute to the Petroleum Fuel &amp; Terminal Co. (144.6 AHP) in Angelina, LA, with a tow of eight full gasoline barges.</p>
5	1289	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,ssouri to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0815, on the 16 of April, you depart the Exxon Refinery Docks(mile 232 AHP) bound for the fleeting area at Sycamore Chute Light(740.3 AHP).</p>
5	1299	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,ssouri to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On the 10th of May at 1130, you leave the fleeting area at Gartness Lt.(mile 227.8 AHP) bound for the Monsanto Terminal in St. Louis (mile 178.0 UMR). Your engines turn for 8.5 mph in still water.</p>

5	1341	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0825 on 08 March, you get underway from the River Cement Co. (173.0 AHP), enroute The Slay Warehousing docks(179.0 UMR) in St. Louis, MO, with a tow of eight barges carrying cement.</p>
5	1408	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0815, on the 16 of April, you depart the Exxon Refinery Docks(mile 232 AHP) bound for the fleeting area at Sycamore Chute Light(740.3 AHP).</p>
5	1410	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1515, on 23 May, you get underway fromt the Amoco Pipeline Co. docks(253.6 AHP), enroute to Pittsburgh, PA, with a tow of six barges carrying asphalt.</p>
5	1426	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 16 October, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tankbarges enroute to the Agrico Chemical dock, Herculaneum, MO (mile 153.4 UMR). Your engines are making turns for 6.5 mph in still water.</p>
5	1542	<p>The following questions (1-10) are based on the C of E Mississippi River Maps (Cairo, IL, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>You are making up your tow at the fleeting area at Cairo Point, Il(mile 980.8 Ohio River). At 0952, on 21 September, you get underway enroute to New Orleans with a mixed tow.</p>

5	1701	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 0630, on 15 March, you are upbound on the Lower Mississippi River passing Kaiser Aluminum &amp; Chemical Corp. (mile 234.0 AHP).</p>
5	1711	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers At 0519 on 23 May, you get underway from Baton Rouge, LA, (mile 231.8 AHP) bound for Louisville, KY, (mile 610.1 OR).</p>
5	1721	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 25 March, you depart the Morganza, LA, Docks at mile 278.2 AHP with 12 barges enroute to St. Louis, MO (mile 175 UMR). Your engines are turning for 7.5 mph in still water.</p>
5	1731	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 16 October, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tankbarges enroute to the Apex Oil dock, St. Louis, MO (mile 180.9 UMR). Your engines are making turns for 6.5 mph in still water.</p>
5	1741	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1145, on 24 August, you depart Memphis Harbor, McKellar Lake (mile 726.0 AHP) enroute to Baton Rouge, LA, with a tow of twelve empty gasoline barges.</p>

5	1761	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 3 January you get underway from Cambalick Dock, Morganza, LA, (mile 278.3 AHP) enroute to Portage, MO (UMR).</p>
5	1771	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 11 September, you are making up your tow at the fleeting area in Cairo, IL (mile 980.6 Ohio River). You get underway at 0600 enroute to New Orleans with a mixed tow.</p>
5	1801	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers At 1015, on 16 April, you are at the Amoco Pipeline Co. docks (253.6 AHP), when you get underway enroute to Institute, WV, with a tow of eight barges carrying molten sulphur.</p>
5	1954	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1745, on 25 August, you depart Memphis Harbor, McKellar Lake (mile 726.0 AHP - LMR) enroute to Baton Rouge, LA, with a tow of twelve empty gasoline barges.</p>
5	2049	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, ILssouri to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On the 10th of May at 1130, you leave the fleeting area at Gartness Lt.(mile 227.8 AHP) bound for the Monsanto Terminal in St. Louis (mile 178.0 UMR). Your engines turn for 8.5 mph in still water.</p>

5	2203	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p style="text-align: right;">At 1914,</p> <p>on 21 June, you depart the Alton Barge Docks at Alton, IL (Mile 202.0 UMR), with a mixed tow of 6 loaded covered hopper barges, 2 loaded tank barges, and 2 empty hopper barges.</p>
5	2208	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 9 September, you depart the Formosa Plastics mooring facility at mile 233.5 AHP with six loaded tank barges enroute to the Alton Barge Terminal, Alton, IL (mile 202.0 UMR). Your engines are making turns for 7.5 mph in still water.</p>
5	2211	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 22 September, you are making up your tow at the Fleeting area in Baton Rouge, LA near Gartness Light (mile 227.8 AHP). You get underway at 0842 enroute to Cairo, IL, with a mixed tow.</p>
5	2216	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 2345, on 25 December, you depart Vulcan Chemicals, Memphis Harbor, McKellar Lake (mile 726.0 AHP - LMR) enroute to the Petroleum Fuel &amp; Terminal Co. (144.6 AHP) in Angelina, LA, with a tow of eight full gasoline barges.</p>
5	2233	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p style="text-align: right;">At 1914,</p> <p>on 21 June, you depart the Alton Barge Docks at Alton, IL (Mile 202.0 UMR), with a mixed tow of 6 loaded covered hopper barges, 2 loaded tank barges, and 2 empty hopper barges.</p>

5	2296	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 2345, on 25 December, you depart Vulcan Chemicals, Memphis Harbor, McKellar Lake (mile 726.0 AHP - LMR) enroute to the Petroleum Fuel &amp; Terminal Co. (144.6 AHP) in Angelina, LA, with a tow of eight full gasoline barges.</p>																												
5	2531	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL,MO, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1400, 12 January, you are down bound on the Upper Mississippi River at St. Louis, MO(mile 181.0 UMR) bound for the River Cement Co. in Natchez, MS.</p>																												
5	2581	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 10 feet and your height of eye is 25 feet. Gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 1006 966 1242"> <thead> <tr> <th>HEADING, MAG.</th> <th>DEV.</th> <th>HEADING, MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0.0°</td> <td>180°</td> <td>0.0°</td> </tr> <tr> <td>030°</td> <td>1.0°W</td> <td>210°</td> <td>1.0°E</td> </tr> <tr> <td>060°</td> <td>3.0°W</td> <td>240°</td> <td>2.0°E</td> </tr> <tr> <td>090°</td> <td>2.0°W</td> <td>270°</td> <td>1.5°E</td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>1.0°E</td> </tr> <tr> <td>150°</td> <td>0.0°</td> <td>330°</td> <td>0.0°</td> </tr> </tbody> </table> <p>On 04 December 1983, you are departing New London Harbor. At 1712, you are between buoys "1" and "2" on a course of 250°psc turning for 8.4 knots.</p>	HEADING, MAG.	DEV.	HEADING, MAG.	DEV.	000°	0.0°	180°	0.0°	030°	1.0°W	210°	1.0°E	060°	3.0°W	240°	2.0°E	090°	2.0°W	270°	1.5°E	120°	1.0°W	300°	1.0°E	150°	0.0°	330°	0.0°
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5	2712	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo, IL, to the Gulf of Mexico) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 3 January you get underway from Hall-Buck Coke Terminal Dock, Baton Rouge, LA, (mile 233.0 AHP) enroute to the Mobile Oil Docks (east side),(mile 176.4 UMR), in St. Louis.</p>																																													
5	2781	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>On 22 September, you are making up your tow at the Fleeting area in Baton Rouge, LA near Gartness Light (mile 227.8 AHP). You get underway at 0842 enroute to Cairo, IL, with a mixed tow.</p>																																													
5	2787	<p>The following questions (1-10) are based on the Army Corps of Engineers Mississippi River Maps (Cairo to the Gulf) and the Light List. AHP = Above Head of Passes, LMR = Lower Mississippi River, UMR = Upper Mississippi River, OHR = Ohio River, ACOE = Army Corps of Engineers</p> <p>At 1707, on 23 May, you get underway from mile 234.2 AHP enroute to Louisville, KY (mile 612.6 OR).</p>																																													
5	15006	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel has a draft of 10 feet (3 meters), and your height of eye is 20 feet (6.1 meters). Use 10°W variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 1177 1039 1336"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>0°</td> <td>120°</td> <td></td> <td>2°W</td> <td>240°</td> <td></td> <td>3°E</td> </tr> <tr> <td>030°</td> <td></td> <td>1°W</td> <td>150°</td> <td></td> <td>1°W</td> <td>270°</td> <td></td> <td>3°E</td> </tr> <tr> <td>060°</td> <td></td> <td>2°W</td> <td>180°</td> <td></td> <td>1°E</td> <td>300°</td> <td></td> <td>2°E</td> </tr> <tr> <td>090°</td> <td></td> <td>4°W</td> <td>210°</td> <td></td> <td>2°E</td> <td>330°</td> <td></td> <td>1°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		0°	120°		2°W	240°		3°E	030°		1°W	150°		1°W	270°		3°E	060°		2°W	180°		1°E	300°		2°E	090°		4°W	210°		2°E	330°		1°E
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		<p>The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.</p> <p>Your vessel is enroute from New York, NY, to Baltimore, MD. Your vessel's draft is 29 feet, and your height of eye is 54 feet. Your present course is 206°T and your speed is 18 knots.</p>																																										
5	15038	Use 10°W variation where required.																																										
5	15056	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 12 feet (3.6 meters) and your height of eye is 25 feet (7.6 meters). Gyro error is 2°W. Your assumed speed is 7.5 knots.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 941 840 1177"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>180°</td> <td>0°</td> <td></td> </tr> <tr> <td>030°</td> <td>1.0°W</td> <td></td> <td>210°</td> <td>1.0°E</td> <td></td> </tr> <tr> <td>060°</td> <td>3.0°W</td> <td></td> <td>240°</td> <td>2.0°E</td> <td></td> </tr> <tr> <td>090°</td> <td>2.0°W</td> <td></td> <td>270°</td> <td>1.5°E</td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td></td> <td>300°</td> <td>1.0°E</td> <td></td> </tr> <tr> <td>150°</td> <td>0°</td> <td></td> <td>330°</td> <td>0°</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		180°	0°		030°	1.0°W		210°	1.0°E		060°	3.0°W		240°	2.0°E		090°	2.0°W		270°	1.5°E		120°	1.0°W		300°	1.0°E		150°	0°		330°	0°	
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5	15106	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your height of eye is 25 feet (7.6 meters). Use 10°W variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	15138	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>Your vessel is on a course of 048°T with a speed of 13.5 knots. Your draft is 39 feet and your height of eye is 58 feet.</p>																																													

5	15156	<p>The following questions should be answered using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>The draft of your vessel is 14 feet (4.2 meters). The gyro error is 3°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>2.0°E</td> <td>180°</td> <td>2.0°W</td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1.0°E</td> <td>210°</td> <td>1.0°W</td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>0°</td> <td>240°</td> <td>0.5°W</td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>0.5°W</td> <td>270°</td> <td>0.5°E</td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>1.5°E</td> <td></td> <td></td> </tr> <tr> <td>150°</td> <td>2.0°W</td> <td>330°</td> <td>2.5°E</td> <td></td> <td></td> </tr> </tbody> </table>	HEADING	MAG.	DEV.	HEADING	MAG.	DEV.	000°	2.0°E	180°	2.0°W			030°	1.0°E	210°	1.0°W			060°	0°	240°	0.5°W			090°	0.5°W	270°	0.5°E			120°	1.0°W	300°	1.5°E			150°	2.0°W	330°	2.5°E					
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5	15206	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel has a draft of 8.0 feet (2.4 meters). Use 10°W variation where required. The gyro error is 2°W. Your height of eye is 26 feet.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5 15238	<p>The following questions are to be answered using chart 12354 TR, Long Island Sound - Eastern Part, and supporting publications.</p> <p>Your vessel is enroute to New Haven, CT. You are proceeding at a reduced speed of 9.8 knots on a course of 243°T. Your height of eye is 45 feet and your vessel's deep draft is 33 feet.</p>																																										
5 15256	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 11 feet (3.3 meters). Gyro error is 3°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 844 819 1071"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>2.0°E</td> <td>180°</td> <td></td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°E</td> <td>210°</td> <td></td> <td>1.0°W</td> </tr> <tr> <td>060°</td> <td></td> <td>0.0°</td> <td>240°</td> <td></td> <td>0.5°W</td> </tr> <tr> <td>090°</td> <td></td> <td>0.5°W</td> <td>270°</td> <td></td> <td>0.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>150°</td> <td></td> <td>2.0°W</td> <td>330°</td> <td></td> <td>2.5°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		2.0°E	180°		2.0°W	030°		1.0°E	210°		1.0°W	060°		0.0°	240°		0.5°W	090°		0.5°W	270°		0.5°E	120°		1.0°W	300°		1.5°E	150°		2.0°W	330°		2.5°E
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5	15306	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>The draft of your tow is 27 feet (8.2 meters). Use 10°W variation where required. There is no gyro error.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5	15338	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>Your vessel is on a course of 090°T with a speed of 14 knots. Your draft is 37 feet and your height of eye is 56 feet.</p>																																													
5	15356	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 12 feet (3.6 meters) and your height of eye is 16 feet (4.8 meters). Gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120	2°W	240°	3°E				030°	1°W	150	1°W	270°	3°E				060°	2°W	180	1°E	300°	2°E				090°	4°W	210	2°E	330°	1°E			
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5	15406	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel has a draft of 9.0 feet (2.7 meters). Your height of eye is 15 feet (4.6 meters). Use 10°W variation where required. The gyro error is 2°W.</p> <p>The deviation table is:</p> <table border="0"> <tr> <td>HDG.</td><td>MAG.</td><td>DEV.</td> <td>HDG.</td><td>MAG.</td><td>DEV.</td> <td>HDG.</td><td>MAG.</td><td>DEV.</td> </tr> <tr> <td>000°</td><td>0°</td><td></td> <td>120°</td><td>2°W</td><td></td> <td>240°</td><td>3°E</td><td></td> </tr> <tr> <td>030°</td><td>1°W</td><td></td> <td>150°</td><td>1°W</td><td></td> <td>270°</td><td>3°E</td><td></td> </tr> <tr> <td>060°</td><td>2°W</td><td></td> <td>180°</td><td>1°E</td><td></td> <td>300°</td><td>2°E</td><td></td> </tr> <tr> <td>090°</td><td>4°W</td><td></td> <td>210°</td><td>2°E</td><td></td> <td>330°</td><td>1°E</td><td></td> </tr> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	15438	<p>The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.</p> <p>It is July 13th and you are on a voyage to Baltimore. You are observing daylight savings time. You are turning for 9.8 knots. The maximum draft is 18 feet. The gyro error is 2°E. The visibility is obscured by patchy fog.</p> <p>Use 10°W variation where required.</p> <p style="text-align: center;">DEVIATION TABLE</p> <table border="0"> <tr> <td>HEADING</td><td>MAGNETIC</td><td>DEVIATION</td> </tr> <tr> <td>315°</td><td></td><td>1.0°W</td> </tr> <tr> <td>330°</td><td></td><td>0.5°W</td> </tr> <tr> <td>345°</td><td></td><td>0.5°E</td> </tr> <tr> <td>000°</td><td></td><td>2.0°E</td> </tr> <tr> <td>015°</td><td></td><td>3.0°E</td> </tr> <tr> <td>030°</td><td></td><td>1.5°E</td> </tr> </table>	HEADING	MAGNETIC	DEVIATION	315°		1.0°W	330°		0.5°W	345°		0.5°E	000°		2.0°E	015°		3.0°E	030°		1.5°E																								
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5	15456	<p>The following questions should be answered using chart 12221TR, and the supporting publications.</p> <p>The height of eye is 29 feet (8.8 meters). Your draft is 11 feet (3.4 meters). The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5	15506	<p>The following questions should be answered using chart number 13205TR, Block Island and Approaches, and supporting publications.</p> <p>You are steering a westerly course and approaching Block Island Sound. The variation for the area is 15°W. The gyro error is 2°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0.0°</td> <td>180°</td> <td>0.0°</td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1.0°W</td> <td>210°</td> <td>1.0°E</td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>3.0°W</td> <td>240°</td> <td>2.0°E</td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>2.0°W</td> <td>270°</td> <td>1.5°E</td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>1.0°E</td> <td></td> <td></td> </tr> <tr> <td>150°</td> <td>0.0°</td> <td>330°</td> <td>0.0°</td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0.0°	180°	0.0°			030°	1.0°W	210°	1.0°E			060°	3.0°W	240°	2.0°E			090°	2.0°W	270°	1.5°E			120°	1.0°W	300°	1.0°E			150°	0.0°	330°	0.0°					
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5	15538	<p>The following questions are to be answered using chart 12354 TR, Long Island Sound - Eastern Part, and supporting publications.</p> <p>You are turning for 12.7 knots. Your vessel's deep draft is 16 feet. Gyro error is 2°W.</p> <p>Use 14°W variation where required.</p> <p style="text-align: center;">DEVIATION TABLE</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>HEADING</th> <th>MAG</th> <th>DEVIATION</th> </tr> </thead> <tbody> <tr> <td>045°</td> <td></td> <td>3.0°E</td> </tr> <tr> <td>060°</td> <td></td> <td>3.0°E</td> </tr> <tr> <td>075°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>090°</td> <td></td> <td>0.5°W</td> </tr> </tbody> </table>	HEADING	MAG	DEVIATION	045°		3.0°E	060°		3.0°E	075°		1.5°E	090°		0.5°W																											
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5	15566	<p>The following questions should be answered using chart 13205TR, Block Island Sound and approaches, and the supporting publications.</p> <p>Your draft is 12 feet (3.6 meters) and your height of eye is 16 feet (4.8 meters). The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 15°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>2.0°E</td> <td>180°</td> <td></td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td></td> <td>3.0°E</td> <td>210°</td> <td></td> <td>3.5°W</td> </tr> <tr> <td>060°</td> <td></td> <td>4.0°E</td> <td>240°</td> <td></td> <td>3.0°W</td> </tr> <tr> <td>090°</td> <td></td> <td>2.0°E</td> <td>270°</td> <td></td> <td>1.5°W</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°E</td> <td>300°</td> <td></td> <td>0°</td> </tr> <tr> <td>150°</td> <td></td> <td>1.0°W</td> <td>330°</td> <td></td> <td>1.5°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		2.0°E	180°		2.0°W	030°		3.0°E	210°		3.5°W	060°		4.0°E	240°		3.0°W	090°		2.0°E	270°		1.5°W	120°		1.0°E	300°		0°	150°		1.0°W	330°		1.5°E
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5	15606	<p>The following questions are to be answered by using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your draft is 14 feet (4.2 meters). Use 10°W variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG. MAG.</th> <th>DEV.</th> <th>HDG. MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>2.0°E</td> <td>180°</td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td>1.0°E</td> <td>210°</td> <td>1.0°W</td> </tr> <tr> <td>060°</td> <td>0.0°</td> <td>240°</td> <td>0.5°W</td> </tr> <tr> <td>090°</td> <td>0.5°W</td> <td>270°</td> <td>0.5°E</td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>1.5°E</td> </tr> <tr> <td>150°</td> <td>2.0°W</td> <td>330°</td> <td>2.5°E</td> </tr> </tbody> </table>	HDG. MAG.	DEV.	HDG. MAG.	DEV.	000°	2.0°E	180°	2.0°W	030°	1.0°E	210°	1.0°W	060°	0.0°	240°	0.5°W	090°	0.5°W	270°	0.5°E	120°	1.0°W	300°	1.5°E	150°	2.0°W	330°	2.5°E
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5	15638	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>There are fog patches. You are turning for 12.1 knots. Your draft is 22 feet. The gyro error is 3°W.</p> <p>Use a variation of 14°W where required.</p> <p>The following tables are:</p> <table border="1" data-bbox="367 552 745 747"> <thead> <tr> <th colspan="2">DEVIATION TABLE</th> </tr> <tr> <th>HEADING</th> <th>MAG. DEVIATION</th> </tr> </thead> <tbody> <tr> <td>180°</td> <td>2.5°E</td> </tr> <tr> <td>195°</td> <td>2.0°E</td> </tr> <tr> <td>210°</td> <td>1.0°E</td> </tr> <tr> <td>225°</td> <td>0.5°W</td> </tr> </tbody> </table>	DEVIATION TABLE		HEADING	MAG. DEVIATION	180°	2.5°E	195°	2.0°E	210°	1.0°E	225°	0.5°W																					
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5	15706	<p>The following questions are to be answered by using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your draft is 11 feet (3.3 meters). Use 14°W for variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>2.0°E</td> <td>180°</td> <td></td> <td>2.0°W</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°E</td> <td>210°</td> <td></td> <td>1.0°W</td> </tr> <tr> <td>060°</td> <td></td> <td>0.5°W</td> <td>270°</td> <td></td> <td>0.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>150°</td> <td></td> <td>2.0°W</td> <td>330°</td> <td></td> <td>2.5°E</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		2.0°E	180°		2.0°W	030°		1.0°E	210°		1.0°W	060°		0.5°W	270°		0.5°E	120°		1.0°W	300°		1.5°E	150°		2.0°W	330°		2.5°E
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5	15738	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>On 7 September, you are approaching Block Island Sound from sea. Your vessel has a draft of 20 feet. Equipment on board your vessel includes gyrocompass, magnetic compass, depth finder, Loran-C and radar.</p>																																				

5	15756	<p>The following questions should be answered using chart 13205TR, Block Island Sound and approaches, and the supporting publications.</p> <p>Your vessel draws 8 feet (2.4 meters) and the height of eye is 24 feet (7.3 meters). Gyro error is 2°E.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 15°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>030°</td> <td>3.0°E</td> <td>150°</td> <td>4.0°W</td> <td>270°</td> <td>1.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>1.0°E</td> <td>180°</td> <td>4.0°W</td> <td>300°</td> <td>3.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>1.0°W</td> <td>210°</td> <td>3.0°W</td> <td>330°</td> <td>4.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>3.0°W</td> <td>240°</td> <td>1.0°W</td> <td>360°</td> <td>4.0°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	030°	3.0°E	150°	4.0°W	270°	1.0°E				060°	1.0°E	180°	4.0°W	300°	3.0°E				090°	1.0°W	210°	3.0°W	330°	4.0°E				120°	3.0°W	240°	1.0°W	360°	4.0°E			
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5	15806	<p>The following questions are based on chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 8.5 feet (2.6 meters). Use 14°W variation where required.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5 15838	<p>The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.</p> <p>You are southbound along the coast on a course of 180°T and the engine speed is 14 knots. Your draft is 16 feet. Gyro error is 2°W.</p> <p>Use 10°W variation where required.</p>																																													
5 15856	<p>The following questions should be answered using chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>The draft of your vessel is 8.5 feet (2.6 meters). Gyro error is 3°E.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 14°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 1144 1039 1307"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5	15906	<p>The following questions should be answered using chart number 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 9 feet (2.7 meters). You are turning for 7.5 knots. Your height of eye is 25 feet (7.6 meters). The variation for the area is 14°W.</p> <p>The deviation table is:</p> <table data-bbox="283 584 840 812"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td></td> <td>0.0°</td> <td>180°</td> <td></td> <td>0.0°</td> </tr> <tr> <td>030°</td> <td></td> <td>1.0°W</td> <td>210°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>060°</td> <td></td> <td>3.0°W</td> <td>240°</td> <td></td> <td>2.0°E</td> </tr> <tr> <td>090°</td> <td></td> <td>2.0°W</td> <td>270°</td> <td></td> <td>1.5°E</td> </tr> <tr> <td>120°</td> <td></td> <td>1.0°W</td> <td>300°</td> <td></td> <td>1.0°E</td> </tr> <tr> <td>150°</td> <td></td> <td>0.0°</td> <td>330°</td> <td></td> <td>0.0°</td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°		0.0°	180°		0.0°	030°		1.0°W	210°		1.0°E	060°		3.0°W	240°		2.0°E	090°		2.0°W	270°		1.5°E	120°		1.0°W	300°		1.0°E	150°		0.0°	330°		0.0°
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5	15938	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>Your vessel has just taken departure from New London harbor. Your height of eye is 65 feet and your vessel's draft is 22 feet.</p> <p>Use 15°W variation where required.</p>																																										

5	15956	<p>The following questions should be answered using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>The height of eye is 25 feet (7.6 meters). The gyro error is 3°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	16006	<p>The following questions are based on chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 12 feet (3.6 meters). Your height of eye is 16 feet (4.8 meters). The gyro error is 2°E. Use 14°W variation where required.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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		<p>The following questions are to be answered using chart 12354 TR, Long Island Sound - Eastern Part, and supporting publications.</p> <p>You are on a coastwise voyage from Bridgeport, Conn., to Boston, Mass. You intend to divert to a position off New Haven, Conn., to evacuate an injured crew member. Your height of eye is 53 feet and your vessel's deep draft is 34 feet. Gyro error is 2°W.</p>																																													
5	16038	Use 14°W variation where required.																																													
		<p>The following questions should be answered using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>The draft of your vessel is 8.0 feet. The gyro error is 2°W. You are heading down the York River bound for Norfolk, VA.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 909 1039 1078"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	16106	<p>The following questions are based on chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>Your vessel draws 11 feet (3.3 meters), and your height of eye is 24 feet (7.3 meters). Use variation 10°W where necessary. The gyro error is 2°W.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>030°</td> <td>1.5°E</td> <td>150°</td> <td>1.0°W</td> <td>270°</td> <td>0.0°</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>3.0°E</td> <td>180°</td> <td>3.0°W</td> <td>300°</td> <td>1.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>2.5°E</td> <td>210°</td> <td>1.0°W</td> <td>330°</td> <td>1.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>2.0°E</td> <td>240°</td> <td>0.0°</td> <td>360°</td> <td>1.5°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	030°	1.5°E	150°	1.0°W	270°	0.0°				060°	3.0°E	180°	3.0°W	300°	1.0°E				090°	2.5°E	210°	1.0°W	330°	1.0°E				120°	2.0°E	240°	0.0°	360°	1.5°E			
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5	16138	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>Your height of eye is 55 feet and your vessel's draft is 22 feet. Your present course is 111°T and your vessel's engines are turning RPMs for 13 knots.</p>																																													
5	16206	<p>The following questions are based on chart 13205TR, Block Island Sound, and the supporting publications.</p> <p>Your vessel draws 8 feet (2.4 meters), and the height of eye is 24 feet (7.3 meters). Use 15°W variation where required. The gyro error is 2°W.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>030°</td> <td>3.0°E</td> <td>150°</td> <td>4.0°W</td> <td>270°</td> <td>1.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>1.0°E</td> <td>180°</td> <td>4.0°W</td> <td>300°</td> <td>3.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>1.0°W</td> <td>210°</td> <td>3.0°W</td> <td>330°</td> <td>4.0°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>3.0°W</td> <td>240°</td> <td>1.0°W</td> <td>360°</td> <td>4.0°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	030°	3.0°E	150°	4.0°W	270°	1.0°E				060°	1.0°E	180°	4.0°W	300°	3.0°E				090°	1.0°W	210°	3.0°W	330°	4.0°E				120°	3.0°W	240°	1.0°W	360°	4.0°E			
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		<p>The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.</p> <p>Your present course is 200°T and your vessel's engines are turning RPMs for 16 knots. Your height of eye is 55 feet and your vessel's draft is 32 feet.</p>																																										
5	16238	Use 10°W variation where required.																																										
5	16256	<p>The following questions should be answered using chart 12221TR, Chesapeake Bay Entrance, and the supporting publications.</p> <p>On 31 July, you are anchored at LAT 37°22.4' N, LONG 75°39.9' W. You get underway at 0240 enroute to Yorktown, VA. The draft of your vessel is 9.0 feet (2.75 meters). The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0" data-bbox="283 941 966 1177"> <thead> <tr> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>1.5°E</td> <td></td> <td>180°</td> <td>2.5°W</td> <td></td> </tr> <tr> <td>030°</td> <td>2.0°E</td> <td></td> <td>210°</td> <td>1.5°W</td> <td></td> </tr> <tr> <td>060°</td> <td>1.0°E</td> <td></td> <td>240°</td> <td>1.0°W</td> <td></td> </tr> <tr> <td>090°</td> <td>0°</td> <td></td> <td>270°</td> <td>0.5°W</td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td></td> <td>300°</td> <td>0°</td> <td></td> </tr> <tr> <td>150°</td> <td>1.5°W</td> <td></td> <td>330°</td> <td>0.5°E</td> <td></td> </tr> </tbody> </table>	HEADING	MAG.	DEV.	HEADING	MAG.	DEV.	000°	1.5°E		180°	2.5°W		030°	2.0°E		210°	1.5°W		060°	1.0°E		240°	1.0°W		090°	0°		270°	0.5°W		120°	1.0°W		300°	0°		150°	1.5°W		330°	0.5°E	
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5	16306	<p>The following questions are based on chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 10 feet (3.1 meters). Your height of eye is 35 feet (10.6 meters). Use 14°W variation where required.</p> <p>The deviation table is:</p> <table border="0"> <tr> <td>HDG.</td> <td>MAG.</td> <td>DEV.</td> <td>HDG.</td> <td>MAG.</td> <td>DEV.</td> <td>HDG.</td> <td>MAG.</td> <td>DEV.</td> </tr> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	16338	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>You are turning for 12.4 knots. Your draft is 28 feet. The gyro error is 2°E. Your course is 340°T. Your height of eye is 36 feet.</p> <p>The deviation table is:</p> <table border="0"> <tr> <th colspan="2">DEVIATION TABLE</th> </tr> <tr> <th>HEADING MAG</th> <th>DEVIATION</th> </tr> <tr> <td>315°</td> <td>1°E</td> </tr> <tr> <td>330°</td> <td>1°W</td> </tr> <tr> <td>345°</td> <td>3°W</td> </tr> <tr> <td>360°</td> <td>5°W</td> </tr> </table>	DEVIATION TABLE		HEADING MAG	DEVIATION	315°	1°E	330°	1°W	345°	3°W	360°	5°W																																	
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5	16356	<p>The following questions should be answered using chart 12221TR, and the supporting publications.</p> <p>On 31 July, you are anchored at LAT 37°22.4' N, LONG 75°39.9' W. You get underway at 0240 enroute to Yorktown, VA. The draft of your vessel is 9.0 feet (2.75 meters). The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 10°W for the entire plot.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> <th>HEADING</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>1.5°E</td> <td>180°</td> <td>2.5°W</td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>2.0°E</td> <td>210°</td> <td>1.5°W</td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>1.0°E</td> <td>240°</td> <td>1.0°W</td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>0°</td> <td>270°</td> <td>0.5°W</td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td>300°</td> <td>0°</td> <td></td> <td></td> </tr> <tr> <td>150°</td> <td>1.5°W</td> <td>330°</td> <td>0.5°E</td> <td></td> <td></td> </tr> </tbody> </table>	HEADING	MAG.	DEV.	HEADING	MAG.	DEV.	000°	1.5°E	180°	2.5°W			030°	2.0°E	210°	1.5°W			060°	1.0°E	240°	1.0°W			090°	0°	270°	0.5°W			120°	1.0°W	300°	0°			150°	1.5°W	330°	0.5°E					
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5	16406	<p>The following questions are based on chart 13205TR, Block Island Sound, and the supporting publications.</p> <p>Your vessel has a draft of 11 feet (3.4 meters). Your height of eye is 32 feet (9.7 meters). The gyro error is 2°W. Use 15°W variation where required.</p> <p>The deviation table is:</p> <table border="1"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td>150°</td> <td>1°W</td> <td>270°</td> <td>3°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°	120°	2°W	240°	3°E				030°	1°W	150°	1°W	270°	3°E				060°	2°W	180°	1°E	300°	2°E				090°	4°W	210°	2°E	330°	1°E			
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5	16438	<p>The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.</p> <p>You are on an oceanographic research vessel equipped with standard navigational equipment. The gyro error is 2°W. The maximum draft is 13 feet.</p> <p>Use 10°W variation where required.</p> <p style="text-align: center;">DEVIATION TABLE</p> <table border="0" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">HEADING</th> <th style="text-align: left;">MAG</th> <th style="text-align: left;">DEVIATION</th> </tr> </thead> <tbody> <tr> <td>060°</td> <td>1°W</td> <td></td> </tr> <tr> <td>075°</td> <td>0°</td> <td></td> </tr> <tr> <td>090°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HEADING	MAG	DEVIATION	060°	1°W		075°	0°		090°	1°E																															
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5	16506	<p>The following questions are based on chart 13205TR, Block Island Sound, and the supporting publications.</p> <p>Your vessel draws 8 feet (2.4 meters), and the height of eye is 20 feet (6.1 meters). Use 15°W variation where required. The gyro error is 3°E.</p> <p>The deviation table is:</p> <table border="0"> <tr> <td>HDG.</td><td>MAG.</td><td>DEV.</td> <td>HDG.</td><td>MAG.</td><td>DEV.</td> <td>HDG.</td><td>MAG.</td><td>DEV.</td> </tr> <tr> <td>000°</td><td>1.5°E</td><td></td> <td>120°</td><td>1.0°W</td><td></td> <td>240°</td><td>1.5°E</td><td></td> </tr> <tr> <td>030°</td><td>2.5°W</td><td></td> <td>150°</td><td>0.5°W</td><td></td> <td>270°</td><td>2.0°E</td><td></td> </tr> <tr> <td>060°</td><td>2.5°W</td><td></td> <td>180°</td><td>0.0°</td><td></td> <td>300°</td><td>1.0°E</td><td></td> </tr> <tr> <td>090°</td><td>2.0°W</td><td></td> <td>210°</td><td>1.0°E</td><td></td> <td>330°</td><td>0.5°W</td><td></td> </tr> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	1.5°E		120°	1.0°W		240°	1.5°E		030°	2.5°W		150°	0.5°W		270°	2.0°E		060°	2.5°W		180°	0.0°		300°	1.0°E		090°	2.0°W		210°	1.0°E		330°	0.5°W	
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5	16538	<p>The following questions are to be answered using chart 12354 TR, Long Island Sound - Eastern Part, and supporting publications.</p> <p>You are turning for 12.5 knots and on a course of 255°T. Your vessel's deep draft is 24 feet. Gyro error is 3°E.</p> <p>Use 14°W variation where required.</p> <table border="0"> <tr> <th colspan="2">DEVIATION TABLE</th> </tr> <tr> <th>HEADING</th> <th>MAG DEVIATION</th> </tr> <tr> <td>240°</td> <td>2°W</td> </tr> <tr> <td>255°</td> <td>0°</td> </tr> <tr> <td>270°</td> <td>2°E</td> </tr> <tr> <td>285°</td> <td>4°E</td> </tr> </table>	DEVIATION TABLE		HEADING	MAG DEVIATION	240°	2°W	255°	0°	270°	2°E	285°	4°E																																	
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5	16556	<p>The following questions should be answered using chart 13205TR, Block Island Sound and approaches, and the supporting publications.</p> <p>You are steering a westerly course and approaching Block Island Sound. The gyro error is 2°W.</p> <p>"Per standard magnetic compass" is abbreviated "psc". Use a variation of 15°W for the entire plot.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>180°</td> <td>0°</td> <td></td> </tr> <tr> <td>030°</td> <td>1.0°W</td> <td></td> <td>210°</td> <td>1.0°E</td> <td></td> </tr> <tr> <td>060°</td> <td>3.0°W</td> <td></td> <td>240°</td> <td>2.0°E</td> <td></td> </tr> <tr> <td>090°</td> <td>2.0°W</td> <td></td> <td>270°</td> <td>1.5°E</td> <td></td> </tr> <tr> <td>120°</td> <td>1.0°W</td> <td></td> <td>300°</td> <td>1.0°E</td> <td></td> </tr> <tr> <td>150°</td> <td>0°</td> <td></td> <td>330°</td> <td>0°</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		180°	0°		030°	1.0°W		210°	1.0°E		060°	3.0°W		240°	2.0°E		090°	2.0°W		270°	1.5°E		120°	1.0°W		300°	1.0°E		150°	0°		330°	0°				
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5	16606	<p>The following questions are based on chart 12354TR, Long Island Sound - Eastern Part, and the supporting publications.</p> <p>Your vessel has a draft of 12 feet (3.7 meters). Your height of eye is 24 feet (7.3 meters). Use 14°W variation where required.</p> <p>The deviation table is:</p> <table border="0"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>0°</td> <td></td> <td>120°</td> <td>2°W</td> <td></td> <td>240°</td> <td>3°E</td> <td></td> </tr> <tr> <td>030°</td> <td>1°W</td> <td></td> <td>150°</td> <td>1°W</td> <td></td> <td>270°</td> <td>3°E</td> <td></td> </tr> <tr> <td>060°</td> <td>2°W</td> <td></td> <td>180°</td> <td>1°E</td> <td></td> <td>300°</td> <td>2°E</td> <td></td> </tr> <tr> <td>090°</td> <td>4°W</td> <td></td> <td>210°</td> <td>2°E</td> <td></td> <td>330°</td> <td>1°E</td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	0°		120°	2°W		240°	3°E		030°	1°W		150°	1°W		270°	3°E		060°	2°W		180°	1°E		300°	2°E		090°	4°W		210°	2°E		330°	1°E	
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5	16638	<p>The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.</p> <p>Your height of eye is 42 feet and your vessel's draft is 34 feet. The gyro error is 2°E. You are keeping daylight savings time (ZT+4).</p> <p>Use 15°W variation where required.</p> <p style="text-align: center;">DEVIATION TABLE</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>HDG</th> <th>MAG</th> <th>DEV</th> <th>HDG</th> <th>MAG</th> <th>DEV</th> <th>HDG</th> <th>MAG</th> <th>DEV</th> </tr> </thead> <tbody> <tr> <td>030°</td> <td>3°W</td> <td>150°</td> <td>0°</td> <td>270°</td> <td>2°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>4°W</td> <td>180°</td> <td>1°E</td> <td>300°</td> <td>1°E</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>3°W</td> <td>210°</td> <td>2°E</td> <td>330°</td> <td>1°W</td> <td></td> <td></td> <td></td> </tr> <tr> <td>120°</td> <td>2°W</td> <td>240°</td> <td>3°E</td> <td>360°</td> <td>3°W</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG	MAG	DEV	HDG	MAG	DEV	HDG	MAG	DEV	030°	3°W	150°	0°	270°	2°E				060°	4°W	180°	1°E	300°	1°E				090°	3°W	210°	2°E	330°	1°W				120°	2°W	240°	3°E	360°	3°W			
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5	16706	<p>The following questions are based on chart 13205TR, Block Island Sound, and the supporting publications.</p> <p>Your vessel has a draft of 12 feet (3.7 meters). Your height of eye is 16 feet (4.8 meters). The gyro error is 2°E. Use 15°W variation where required.</p> <p>The deviation table is:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> <th>HDG.</th> <th>MAG.</th> <th>DEV.</th> </tr> </thead> <tbody> <tr> <td>000°</td> <td>2.0°E</td> <td>120°</td> <td>1.0°E</td> <td>240°</td> <td>3.0°W</td> <td></td> <td></td> <td></td> </tr> <tr> <td>030°</td> <td>3.0°E</td> <td>150°</td> <td>1.0°W</td> <td>270°</td> <td>3.5°W</td> <td></td> <td></td> <td></td> </tr> <tr> <td>060°</td> <td>4.0°E</td> <td>180°</td> <td>2.0°W</td> <td>300°</td> <td>0.0°</td> <td></td> <td></td> <td></td> </tr> <tr> <td>090°</td> <td>2.0°E</td> <td>210°</td> <td>3.5°W</td> <td>330°</td> <td>1.5°E</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	HDG.	MAG.	DEV.	000°	2.0°E	120°	1.0°E	240°	3.0°W				030°	3.0°E	150°	1.0°W	270°	3.5°W				060°	4.0°E	180°	2.0°W	300°	0.0°				090°	2.0°E	210°	3.5°W	330°	1.5°E			
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The following questions are to be answered using chart 13205 TR, Block Island Sound, and supporting publications.

Your height of eye is 36 feet and your vessel's draft is 16 feet. The gyro error is 2°E. There is a light haze.

Use 15°W variation where required.

DEVIATION TABLE

HDG	MAG	DEV	HDG	MAG	DEV	HDG	MAG	DEV
000°		2.0°E	120°		1.0°E	240°		3.0°W
030°		3.0°E	150°		1.0°W	270°		1.5°W
060°		4.0°E	180°		2.0°W	300°		0.0°
090°		2.0°E	210°		3.5°W	330°		1.5°E

5 16738

The following questions are to be answered using chart 12221 TR, Chesapeake Bay Entrance, and supporting publications.

Your present course is 202°T and your vessel's engines are turning RPMs for 18 knots. Your height of eye is 54 feet (16.5 meters) and your vessel's draft is 28 feet (8.5 meters).

5 16838

Use 10°W variation where required.