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web dec 13 2010 magnetic declination also called variation is the difference between true north and magnetic north it is either east or west east declination is considered positive and west is negative charts or maps define the

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web 1 by convention declination is positive when magnetic north is east of true north and negative when it is to the west isogonic lines are lines on the earth s surface along which the declination has the same constant value and lines along which the declination is zero are called agonic lines

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web for a magnetic compass the needle will point towards magnetic north rather than true north depending on where you are on the earth s surface this difference may be as much as 30 variation may be to east or west of true north again depending on where you are on the earth s surface variation also changes as time progresses as the magnetic

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web dec 14 2022 here a magnetic reading of 051 is to be converted to true using a variation of 2 e variation is east so m will be least or less than t by 2 t must be 053 in this example variation is unknown the boat may be on a course of 357 true and a

hand held compass reads 001 magnetic the difference between t and m is 4 and m is

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web as variation is directional the rhymes variation east magnetic least and variation west magnetic best can be used as a memory aid to ensure variation is applied correctly navigation variation is an important component when

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web when magnetic north m is west of the true north variation v is west fig 9 5 as it is the case in eastern canada the magnetic course mc of the boat can be calculated from its true course tc measured on the chart by applying the formula mc tc variation west fig 9 5 i e magnetic course true course plus the variation west