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當黑潮轉向時 (II) 臺灣北部的海洋鋒面

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摘 要

當黑潮流過臺灣轉向日本方向時，部分的黑潮水轉向臺灣北部海域流入東海大陸棚，在高溫高鹽的黑潮水與低溫低鹽的東海海水匯流處，產生海洋鋒面。衛星熱輻射影像可顯示此鋒面的形狀、大小與位置，有助於計劃海上探測工作。民國 76 年春季的海上實測資料顯示，該鋒面兩側的物理與化學性質分布截然不同；經由水團特性分析得知該鋒面是由 100 公尺深處的黑潮海水受地形影響而上昇至表層，與東海海水對峙所形成的。

智慧藏