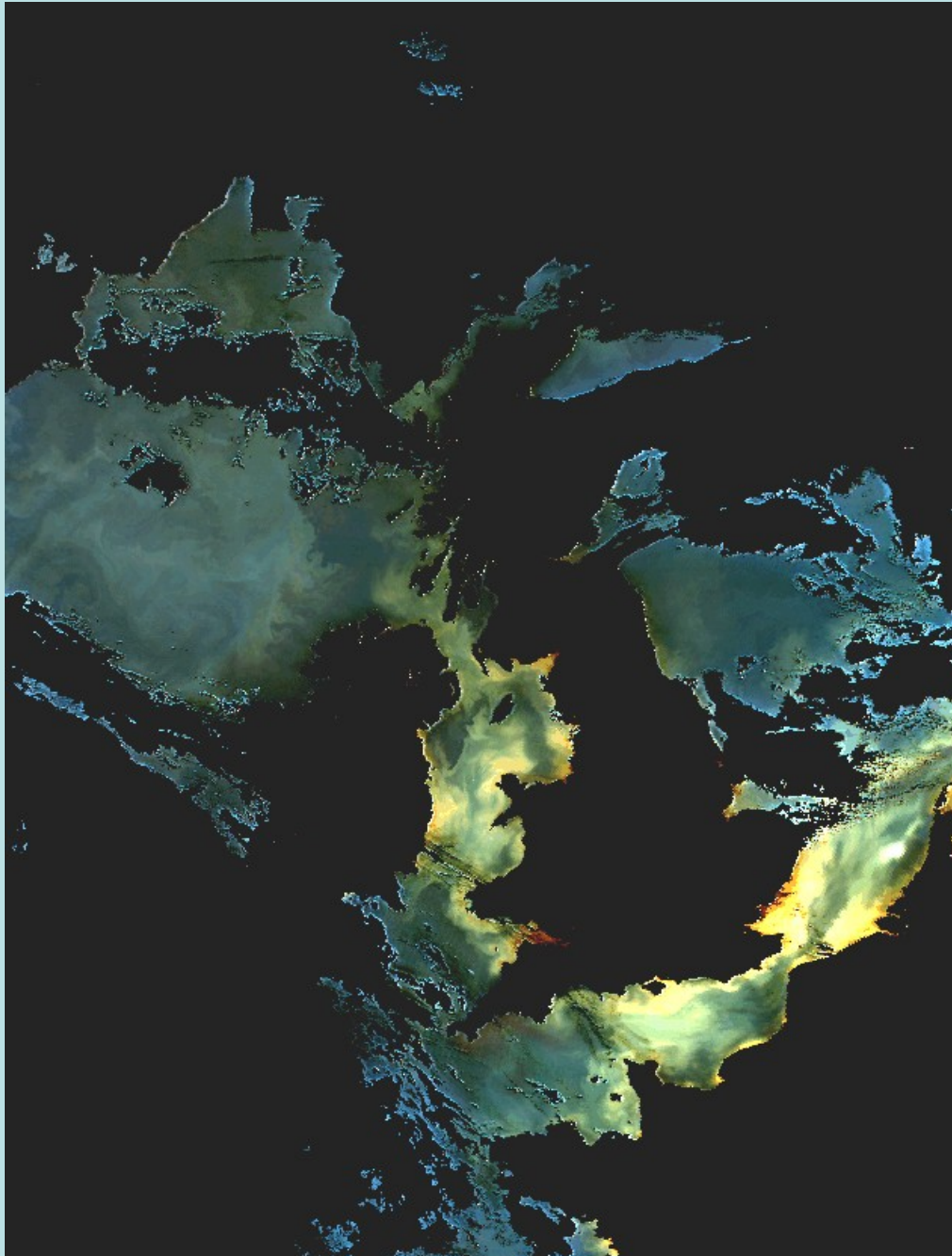


OPTICAL PROPERTIES OF TRIPTON: A REVIEW

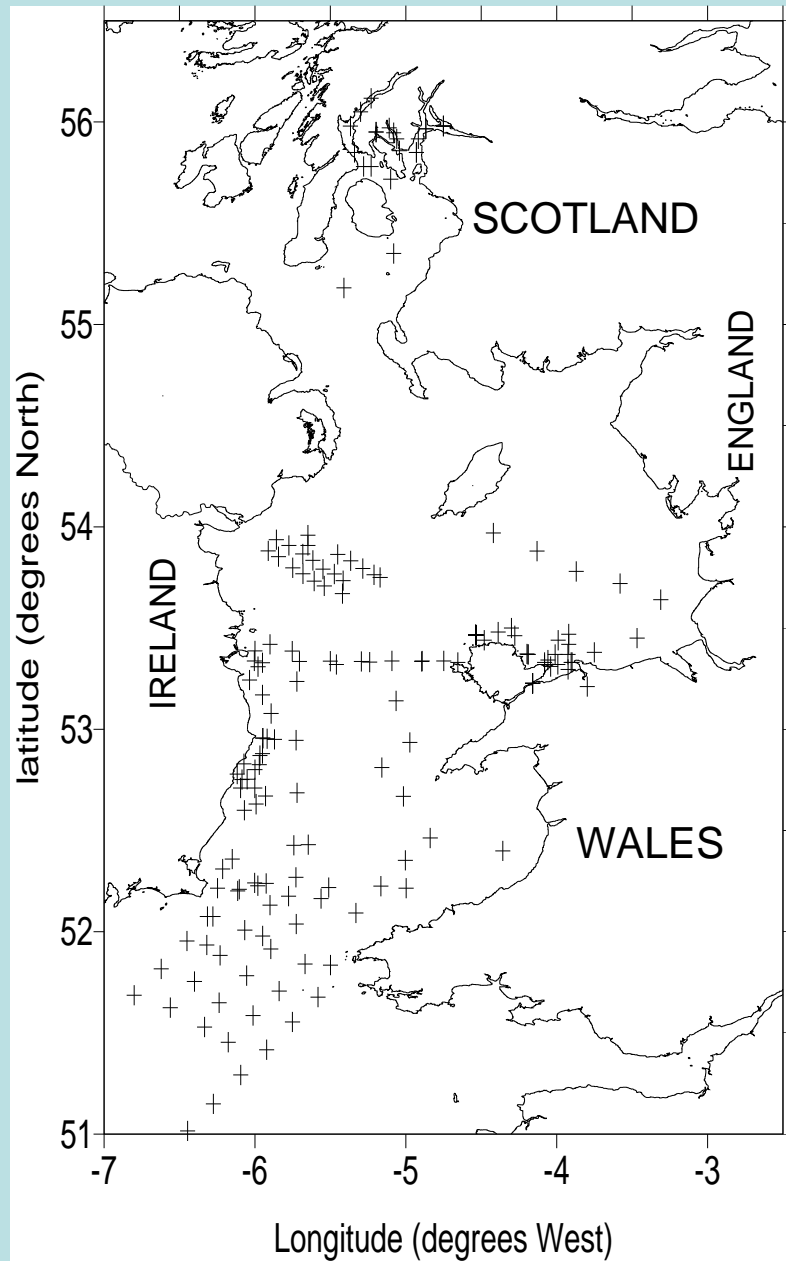
D.G.Bowers
School of Ocean Sciences
University of Wales
Menai Bridge, LL595AB



Source:RSDAS,Plymouth

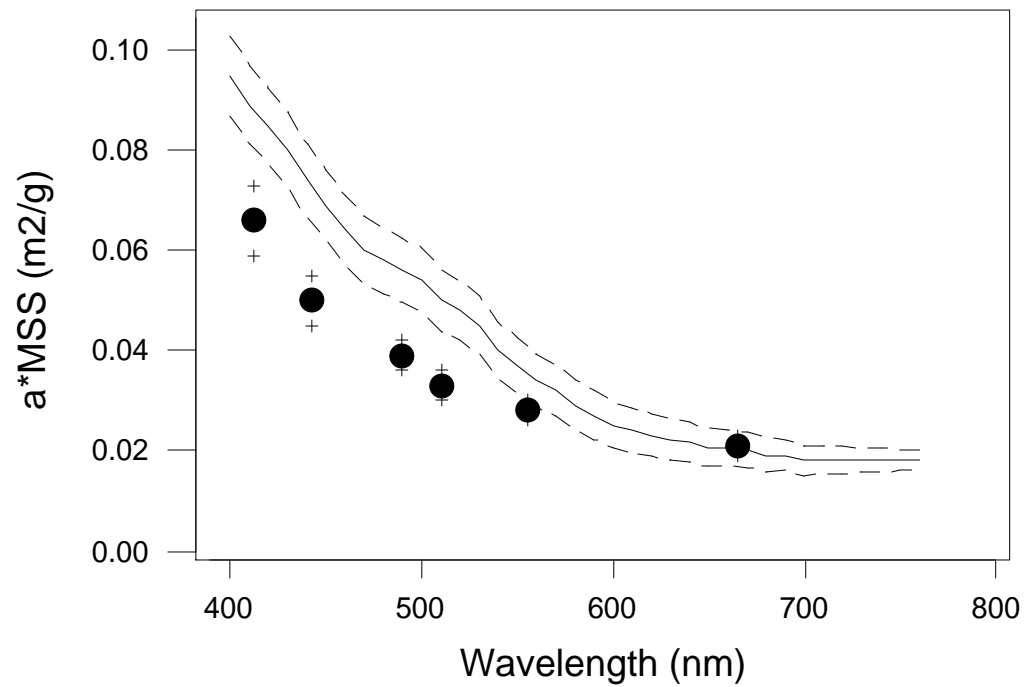


Source: P.S.D.Smith



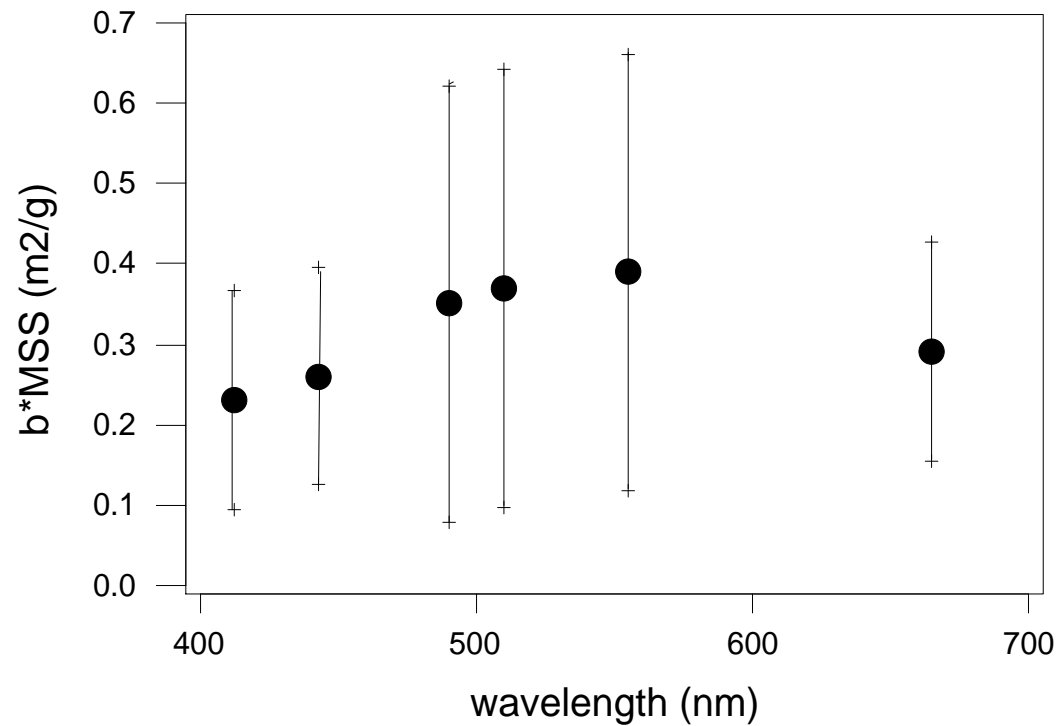
200 stations occupied in Irish Sea 1996-2004

Absorption coefficient of unit concentration of mineral suspended solids in the Irish Sea



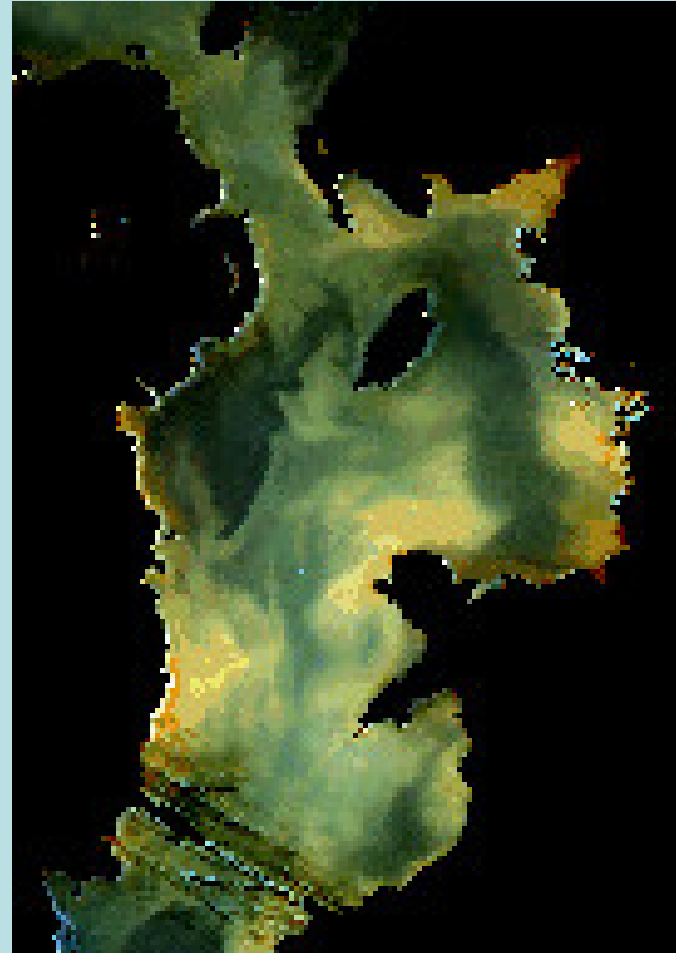
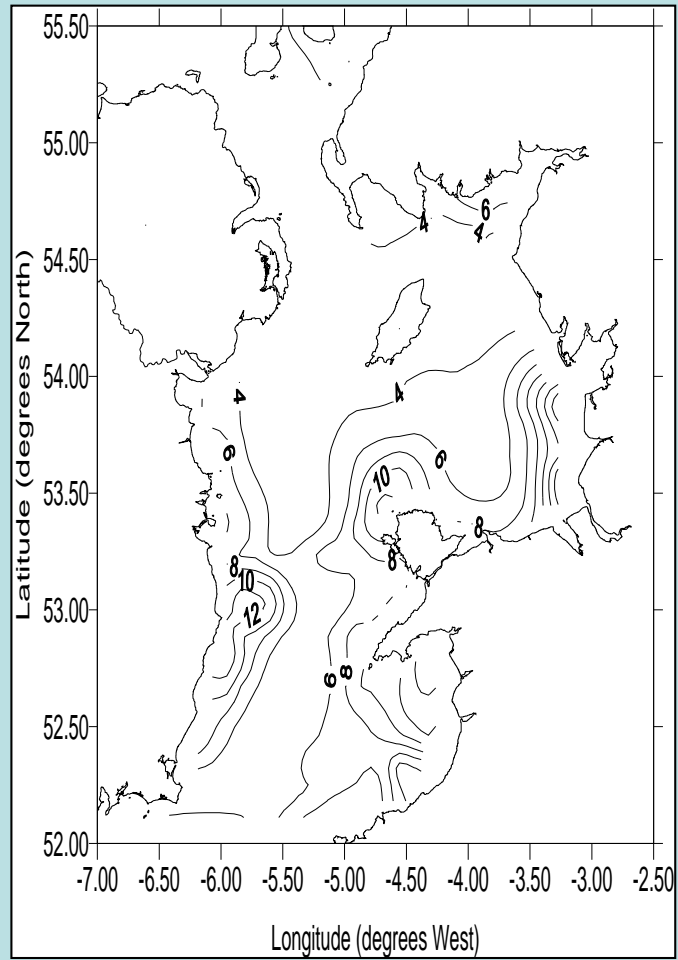
Sources: C.E.Binding; G.E.L.Harker

Scattering coefficient per unit concentration of mineral suspended solids in the Irish Sea

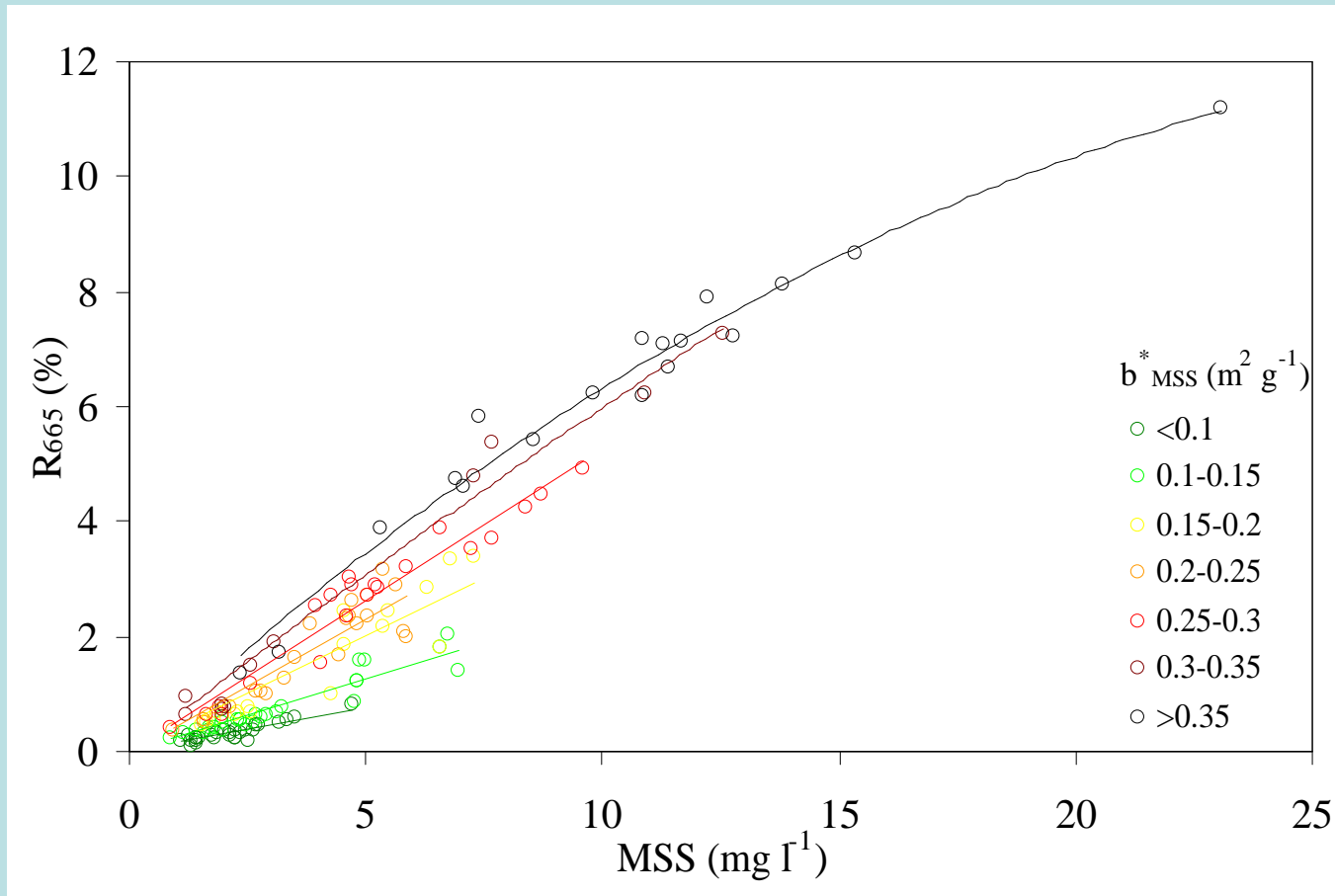


error bars represent standard deviations

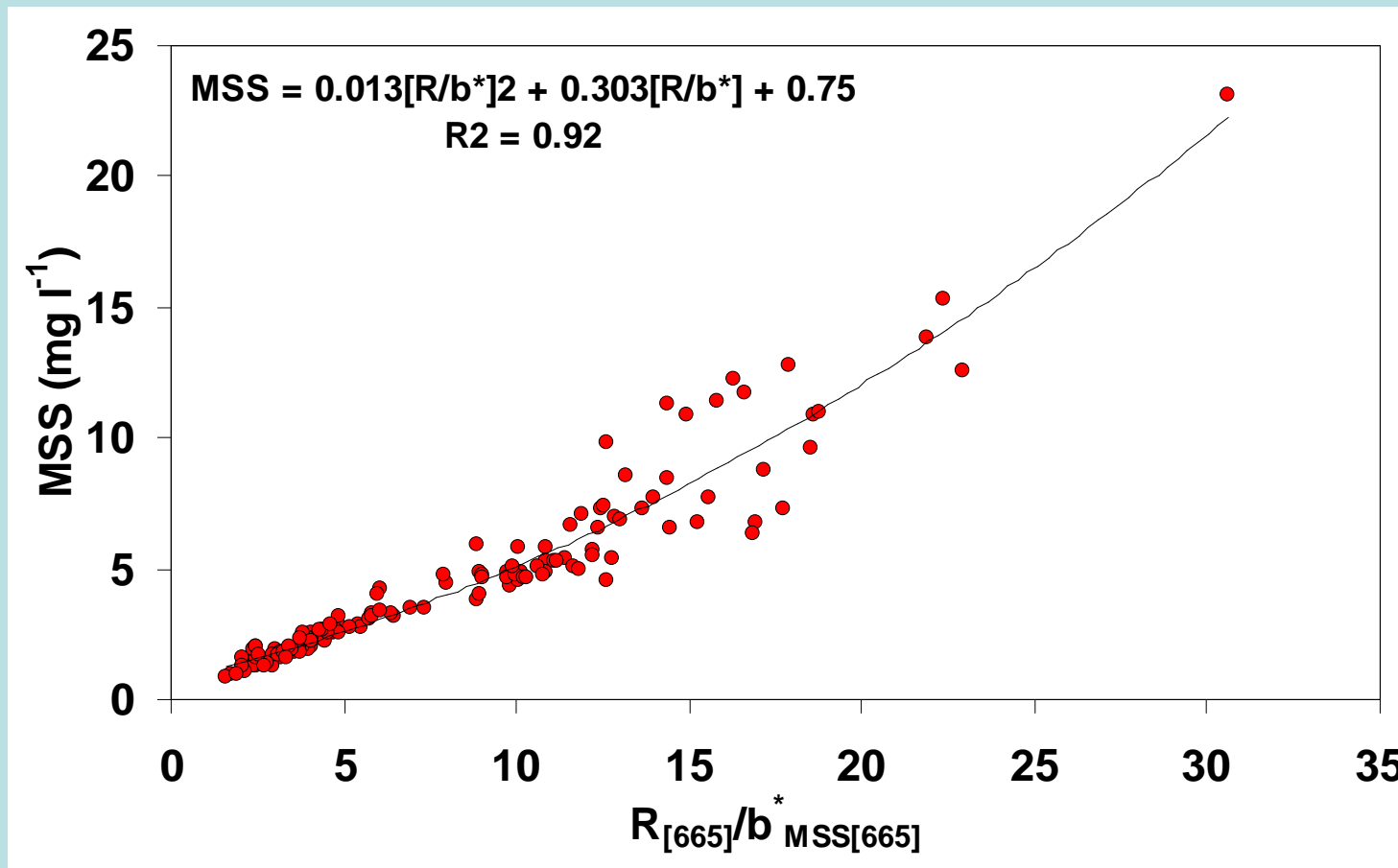
REMOTE SENSING OF MINERAL SUSPENDED PARTICLES



Remote sensing of mineral suspended solids in the Irish Sea using brightness or reflectance: the impact of varying scattering efficiency

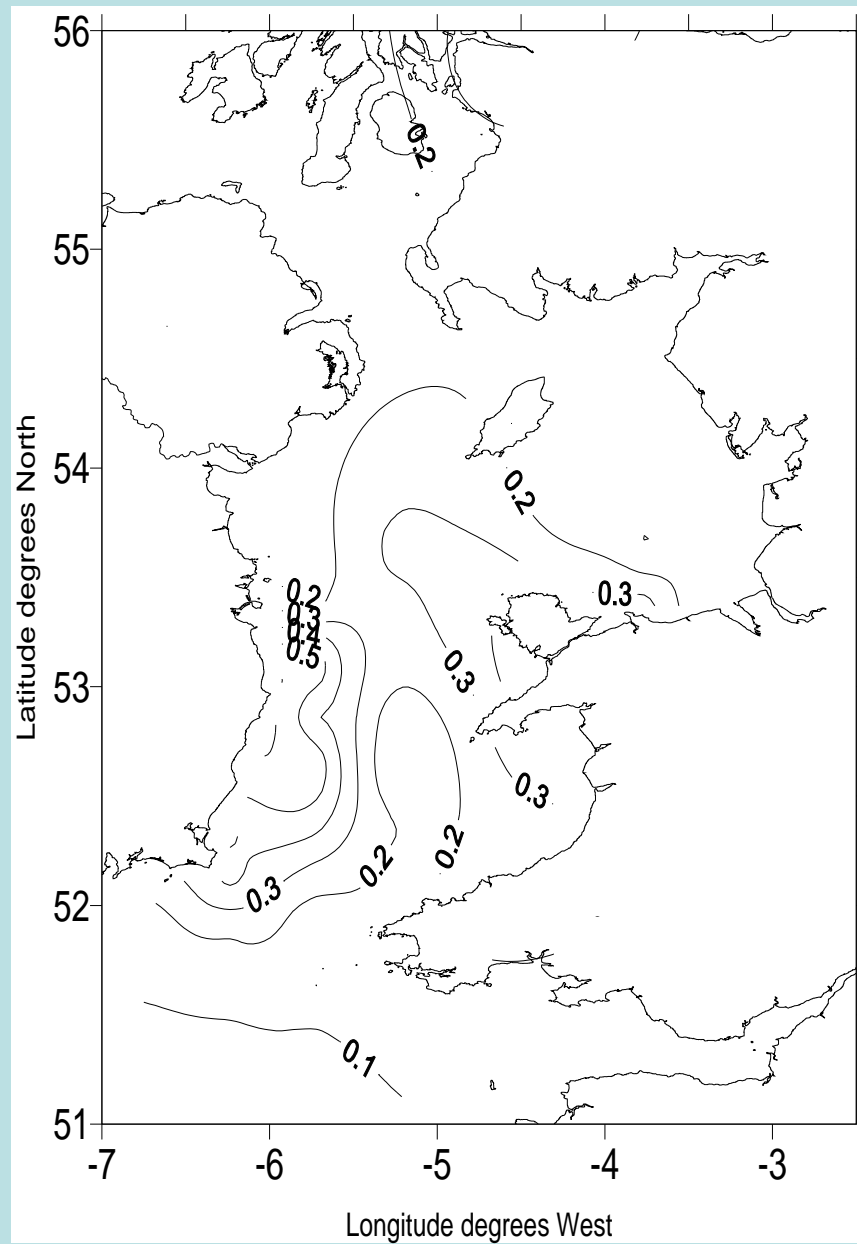


Source: C.E. Binding



Source:C.E.Binding

DISTRIBUTION OF b^*



RELATIONSHIP WITH TURBULENT KINETIC ENERGY (TKE)

$$b^* = 0.22 + 1.03 \text{TKE}$$

(.02) (.19)

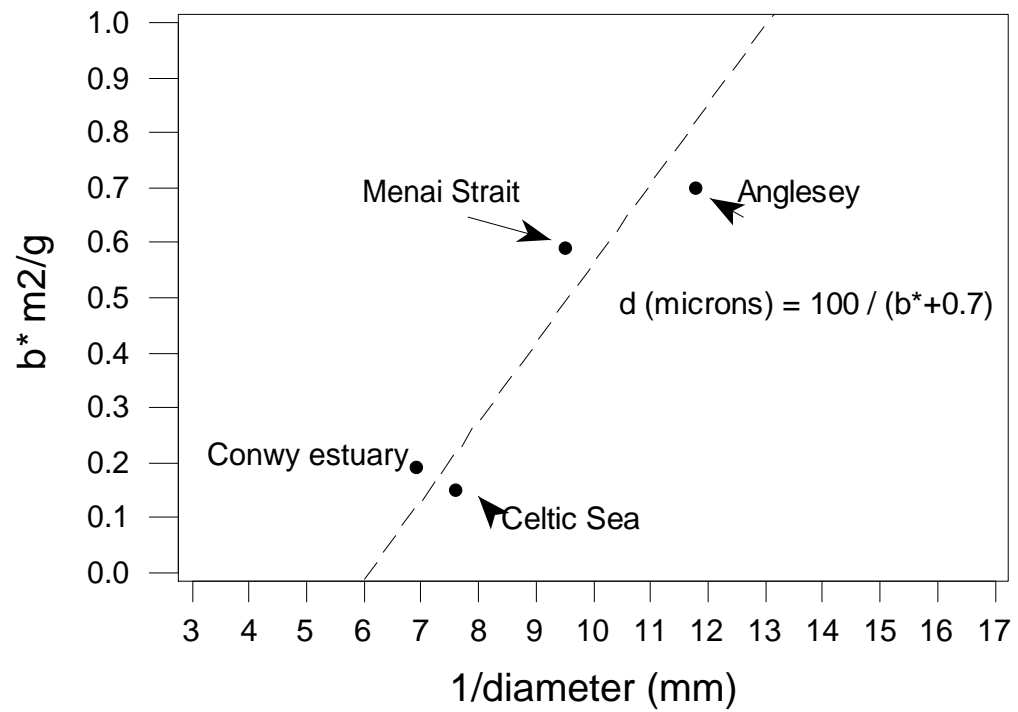
$$b^* = 0.22 + 3.1 \frac{U^3}{h} + 0.0015 \frac{W^3}{h}$$

(.02) (0.9) (0.001)

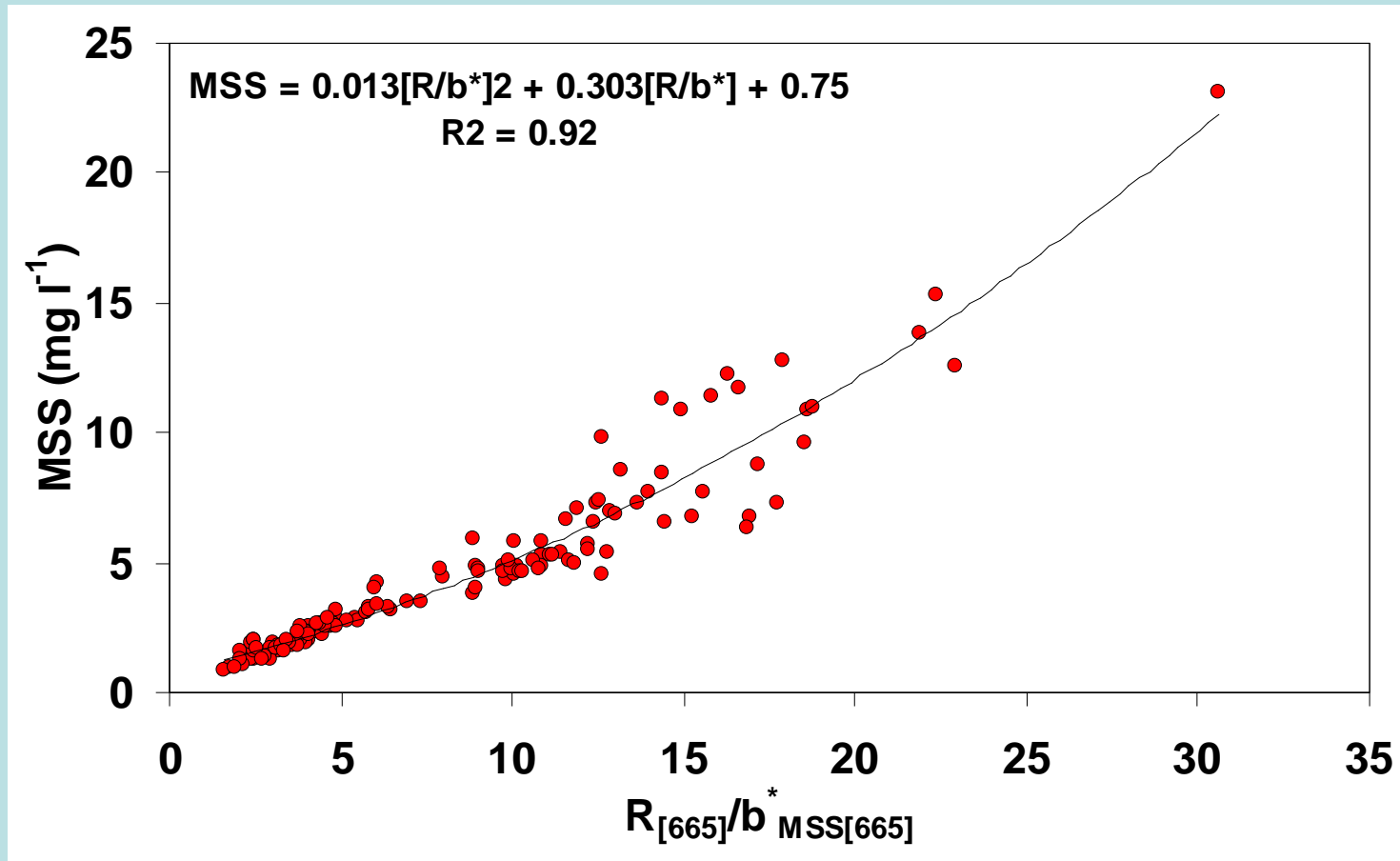
Tidal energy

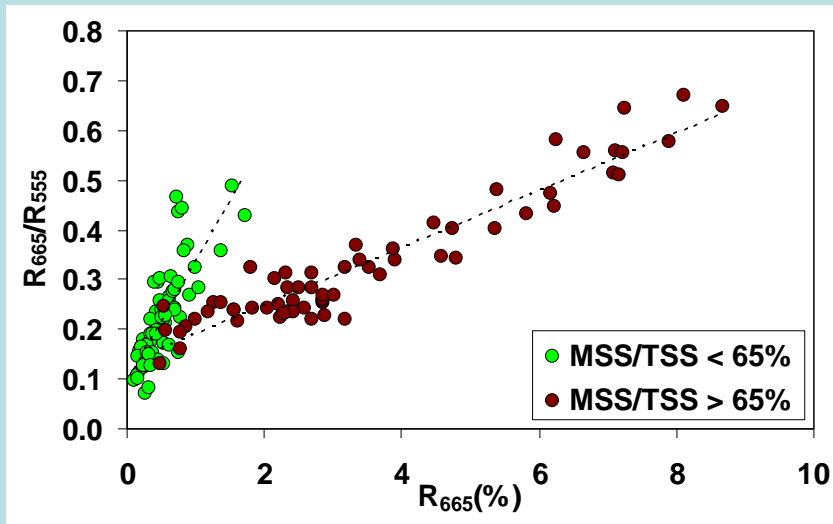
Wind energy

RELATIONSHIP BETWEEN b^* AND PARTICLE (FLOC) SIZE

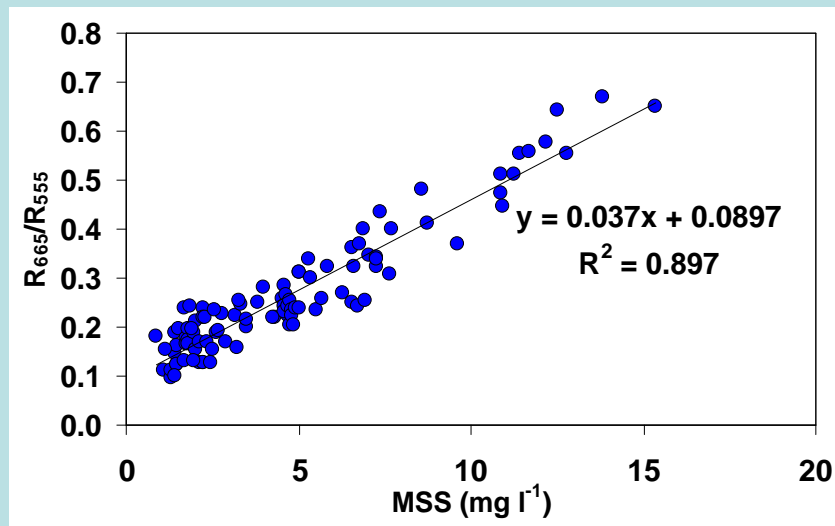


MEASUREMENTS SPECIFIC SCATTERING COEFFICIENTS b^* FROM SPACE

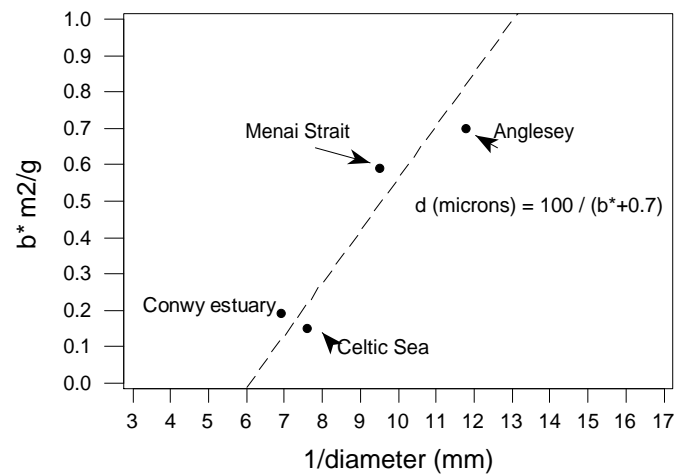
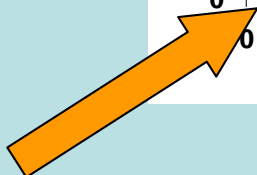
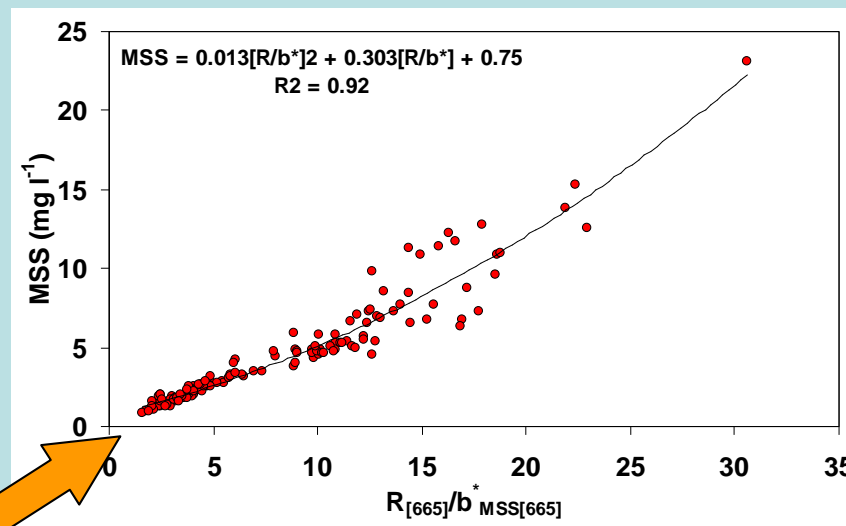
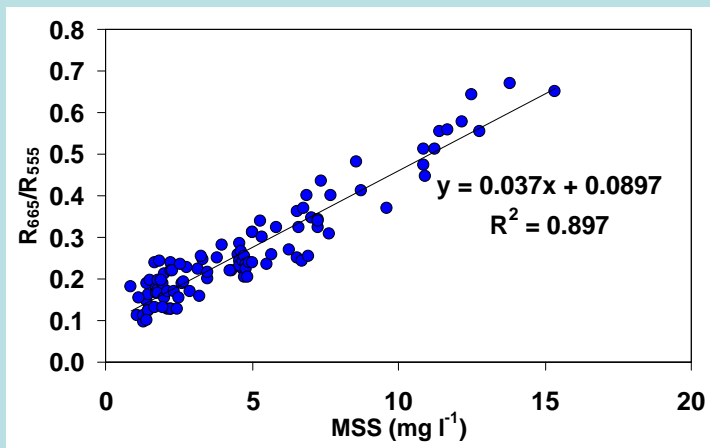
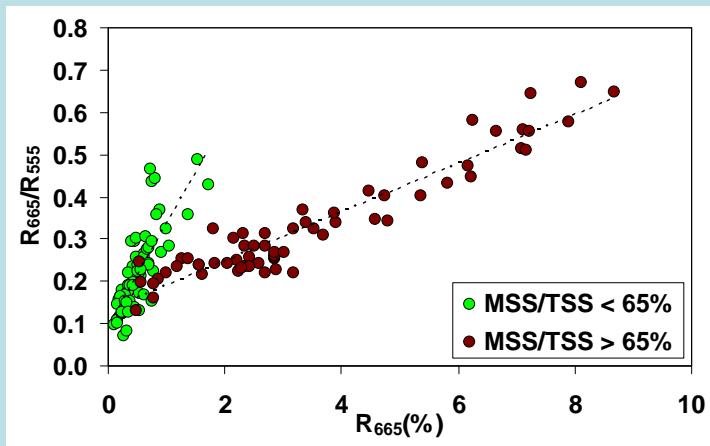




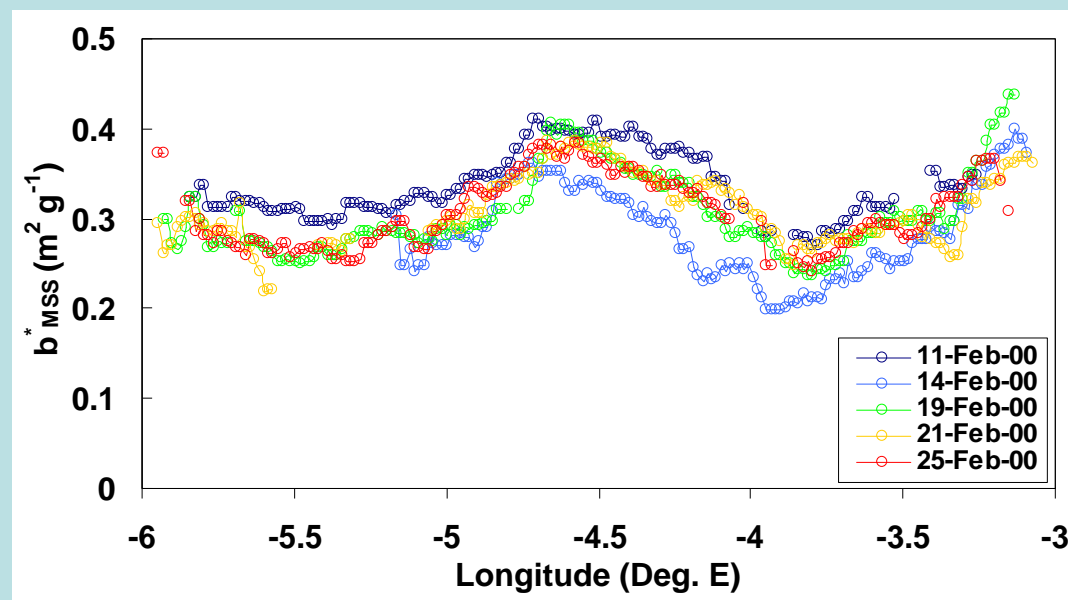
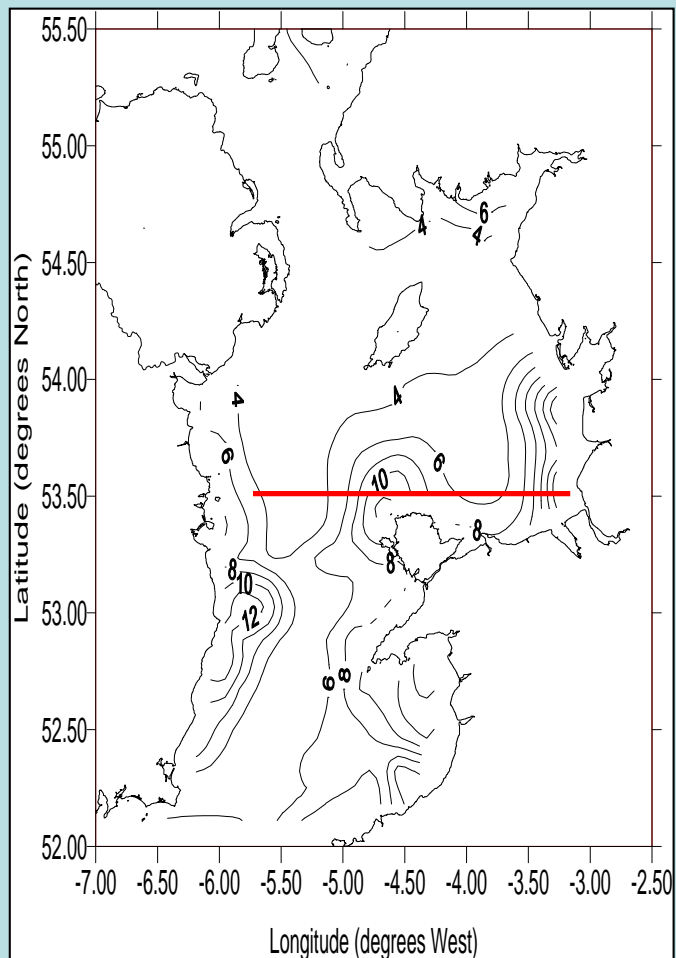
FLAGGING MSS
DOMINATED WATERS
AND DERIVING MSS
FROM A COLOUR RATIO



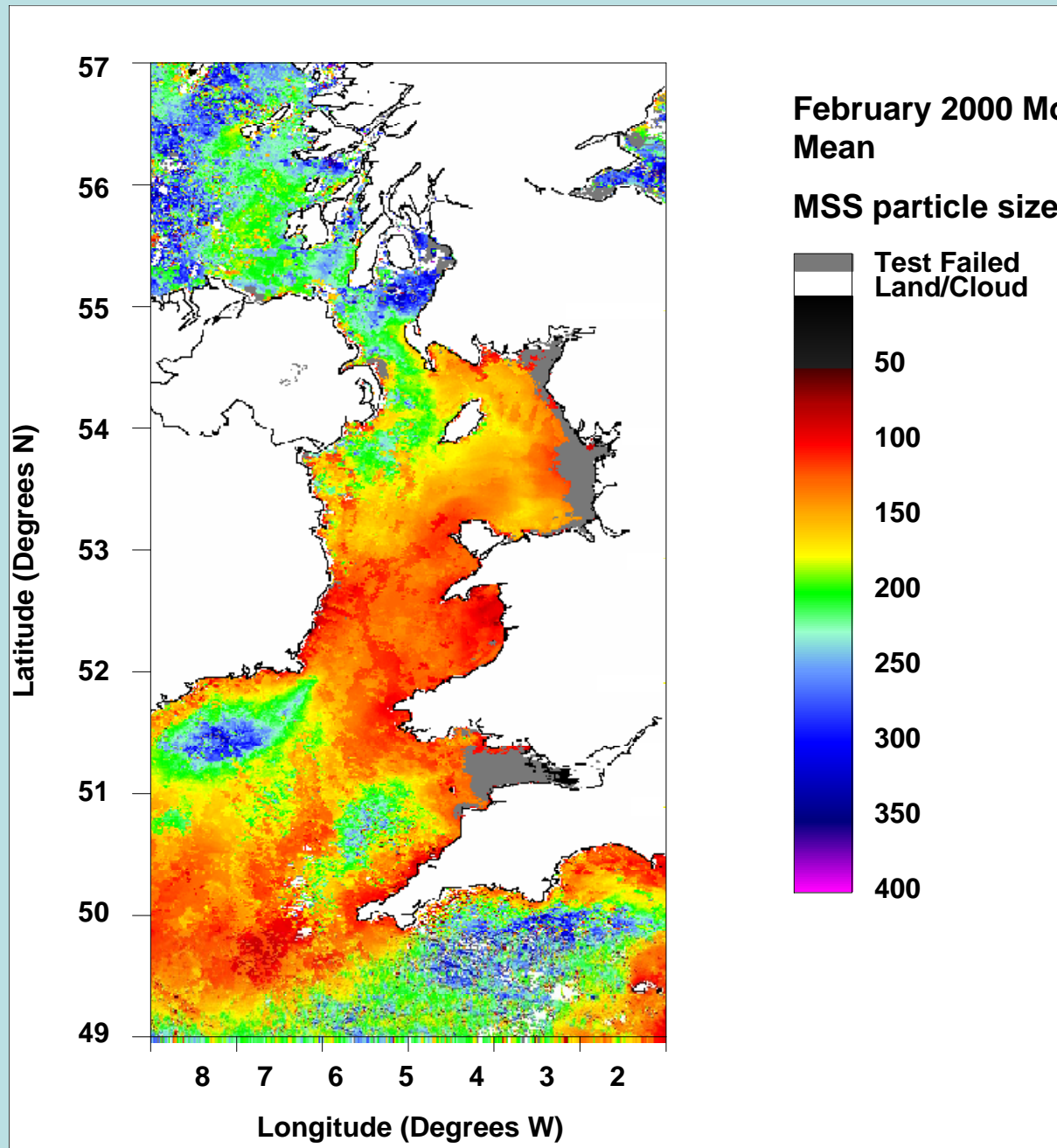
Source: C.E.Binding



A section of derived scattering efficiency, b^* across the Irish Sea

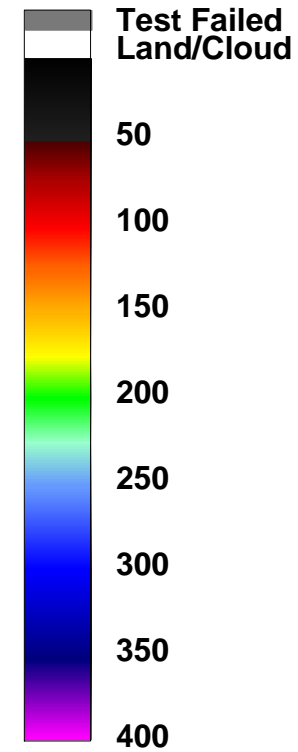


Source: C.E.Binding



February 2000 Monthly Mean

MSS particle size (μm)



Source:
C.E.Binding