



Figure 11.5. The change in the uptake Factor (UF) and Revelle Factor (R) as a function of the $f\text{CO}_2$ in equilibrium with a seawater solution containing a total alkalinity of $2300 \mu\text{eq kg}^{-1}$.

$f\text{CO}_2$ (μatm)	DIC ($\mu\text{mol kg}^{-1}$)	$[\text{CO}_3^{2-}]$ ($\mu\text{mol kg}^{-1}$)	pH_T	UF ($\mu\text{mol kg}^{-1} \mu\text{atm}^{-1}$)	R
250	1928	264	8.21	0.90	8.6
300	1968	234	8.15	0.72	9.1
350	2000	216	8.10	0.60	9.6
400	2028	199	8.05	0.52	10.1
450	2051	184	8.00	0.43	10.6
500	2071	171	7.96	0.38	11.0
550	2088	160	7.93	0.33	11.5