

Record 1	Record 2	CO ₂ time shift (years)	r^2	
CO ₂	AIP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	0	-0.96	
CO ₂	AIP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	+700	-0.99	
CO ₂	AP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	0	-0.96	
CO ₂	AP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	-100	-0.97	
CO ₂	$\Delta\delta^{13}\text{C}_{(\text{INA}/2)\text{-DP}}$	0	-0.98	
CO ₂	$\Delta\delta^{13}\text{C}_{(\text{INA}/2)\text{-DP}}$	-400	-0.99	
CO ₂	Global $\delta^{13}\text{C}$ stack	0	0.94	
CO ₂	Global $\delta^{13}\text{C}$ stack	+800	0.97	
Record 1	Record 2	CO ₂ time shift (years)	Pre-whitened r^2	Pre-whitened p value
CO ₂	AIP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	0	-0.27	0.18
CO ₂	AIP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	+800	-0.63	0.01
CO ₂	AP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	0	-0.51	0.03
CO ₂	AP $\Delta\delta^{13}\text{C}_{\text{I-D}}$	-400	-0.66	0.006
CO ₂	$\Delta\delta^{13}\text{C}_{(\text{INA}/2)\text{-DP}}$	0	-0.69	0.003
CO ₂	$\Delta\delta^{13}\text{C}_{(\text{INA}/2)\text{-DP}}$	-400	-0.78	0.006
CO ₂	Global $\delta^{13}\text{C}$ stack	0	0.28	0.16
CO ₂	Global $\delta^{13}\text{C}$ stack	-600	0.39	0.09