

**(a) With trend****(b) Without trend**

Box 25–36° N

Box 25–36° N

Trate/DT<sub>Cant</sub> :  $r = 0.93$ ,  $p$  value = 0.00Trate/DT<sub>Cant</sub> :  $r = 0.94$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.90$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.04$ ,  $p$  value = 0.78

Box 36° N–OVIDE

Box 36° N–OVIDE

Trate/DT<sub>Cant</sub> :  $r = 0.73$ ,  $p$  value = 0.00Trate/DT<sub>Cant</sub> :  $r = 0.61$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.97$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.52$ ,  $p$  value = 0.00

Box OVIDE–sills

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Trate/DT<sub>Cant</sub> :  $r = 0.32$ ,  $p$  value = 0.02Trate/DT<sub>Cant</sub> :  $r = 0.76$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.95$ ,  $p$  value = 0.00Trate/ $F_{Cant}$  :  $r = 0.22$ ,  $p$  value = 0.12