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Supplement of

Technical Note: An operational landslide early warning system at regional scale based on space–time variable rainfall thresholds

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Threshold equation and *no rain gap* used in the early warning system for each alert zone.

Alert zone	Threshold	No Rain Gap (hours)
A1	$I = 61.4D^{-0.78}$	18
A2	$I = 34.0D^{-0.86}$	18
A3	$I = 52.4D^{-0.73}$	24
A4	$I = 101.5D^{-0.99}$	18
B1	$I = 33.8D^{-0.81}$	20
B2	$I = 22.5D^{-0.65}$	24
B3	$I = 22.5D^{-0.65}$	24
B4	$I = 49.9D^{-0.73}$	24
B5	$I = 405.9D^{-1.29}$	24
C1	$I = 49.2D^{-0.77}$	24
C2	$I = 49.2D^{-0.77}$	24
C3	$I = 49.2D^{-0.77}$	24
C4	$I = 49.2D^{-0.77}$	24
D1	$I = 40.5D^{-0.90}$	24
D2	$I = 31.6D^{-0.76}$	12
D3	$I = 40.5D^{-0.90}$	24
D4	$I = 33.5D^{-0.74}$	15
E1	$I = 20.0D^{-0.66}$	12
E2	$I = 29.6D^{-0.75}$	12
E3	$I = 20.9D^{-0.78}$	10
E4	$I = 15.0D^{-0.69}$	32
F1	$I = 37.2D^{-0.88}$	24
F2	$I = 50.7D^{-0.78}$	36
F3	$I = 50.7D^{-0.78}$	36
F4	$I = 37.2D^{-0.88}$	24