## PlumeRise - The University of Bristol wind-blown plume model

Atmospheric conditions taken from WMO station 80222 on 2018 / 04 / 24 at 1200 UTC. Note, this run was performed automatically and has not been checked.

20 Magmatic Plume top (centreline) height (km asl) 15 temp. (K) 800 878 956 10 1033 1111 1189 • 5 1267 • 1344 1422 0 1500 -5 L 10<sup>3</sup>  $10^{7}$  $10^{4}$  $10^{5}$  $10^{6}$ Source mass flux (kg/s) Plume top (centreline) height (km asl) (centreline) height (km asl) 15 ∘ ed (m/s • 50 0.01 78 106 0.014 . 0.019 133 . 0.023 161 0.028 189 • 0.032 217 0.037 top 244 0.041 272 300 Plume 0.046 0.05 . • Source mass flux (kg/s) Source mass flux (kg/s)

This is not an official forecast.

This PlumeRise output was produced at the University of Bristol.

This PlumeRise output is not intended for public use. You must obtain professional or specialist advice before taking or refraining from any action on the basis of your use of the product.

The University makes no representations, warranties or guaranties, whether express or implied, that the product is accurate complete or up to date.

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## Location information

Volcano name:	Nevado del Ruiz
Location:	4.895° N, 75.322° W
Elevation:	5321 m
Met station name:	BOGOTA/ELDORADO
Met station number:	80222
Met station location:	4.70° N, 74.15° W
Met station elevation:	2546 m
Distance from volcano to met station:	132 km
Data from Smithsonian Institution Global Volcanism Program and Wyoming Weather Web.	