

IWXXM Brief

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Outline

- ICAO Meteorological Information Exchange Model aka IWXXM Status
- IWXXM VAA Production by United States
- Upcoming IWXXM Volcanic Product



IWXXM Status

- IWXXM 3.0 released in November 2019
- IWXXM became a ICAO/WMO standard in November 2020.
- The WMO just released a new set of IWXXM schemas last month
 - "2021-2" is the overall release name
 - Internal versioning of the Volcanic Ash Advisory schema changed from 3.0.0 to 3.1.0
 - Reflects minor changes to schema
 - Allows elements to be properly 'nilled'
- Previous versions of IWXXM remain valid
 - Recommendation to data producers to use IWXXM 3.0 or IWXXM 2021-2 packaged schemas.

US IWXXM VAA Production

• Washington VAAC producing IWXXM VAA XML products on operational basis

Advisories Last Updated: Fri Dec 3 14:05:03 UTC 2021

Most recent five messages, regardless of volcano:

03 Dec 2021 - <u>1346 UTC (XML)</u> -- FUEGO GUATEMALA -- <u>(JPEG Only) (KML)</u> 03 Dec 2021 - <u>1043 UTC (XML)</u> UIZ COLOMBIA -- <u>(JPEG Only) (KML)</u> 03 Dec 2021 - <u>1008 UTC (XML)</u> ON ECUADOR -- <u>(JPEG Only) (KML)</u> 03 Dec 2021 - <u>0941 UTC (XML)</u> ADOR ECUADOR -- <u>(JPEG Only) (KML)</u> 03 Dec 2021 - <u>0820 UTC (XML)</u> -- FUE

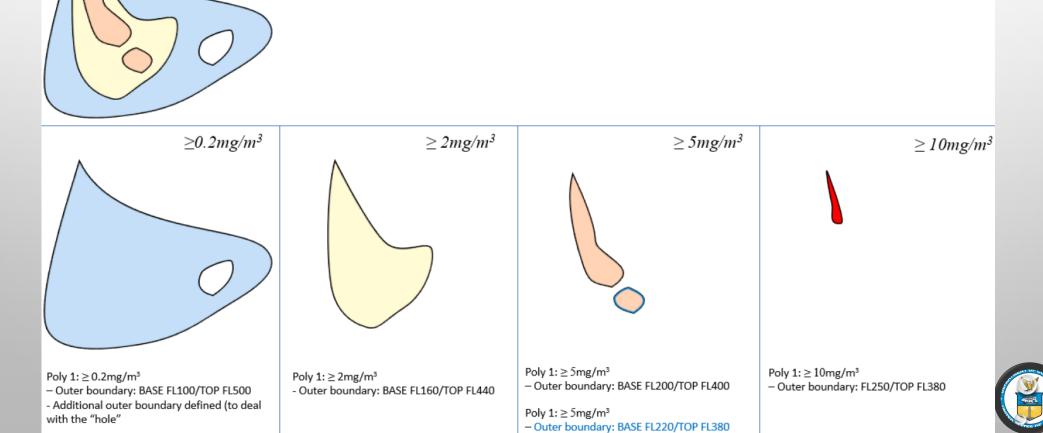
- Available from their website, <u>https://www.ssd.noaa.gov/VAAC/messages.html</u>
 - Washington VAAC's IWXXM VAA products are embedded within a <MeteorologicalBulletin> "envelope" ready for transmission over the AMHS circuits.
- IWXXM VAA (and other) products available on NWS API service by early 2022
 - https://weather.gov/documentation/services-web-api

Quantitative Volcanic Ash (QVA) Product

• New volcanic ash product being formulated by ICAO METP

Polygons that show concentrations \geq *each of the thresholds*

• IWXXM QVA schema under development now





Questions?

Send them also to: tt-avdata@groups.wmo.int

Thank you!

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