

NOUS41 KWBC 161810
PNSWSH

Service Change Notice 25-71
National Weather Service Headquarters, Silver Spring, MD
210 PM EDT Tue Sep 16 2025

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS Partners, Users, and Employees

From: Kevin Stone, Acting Chief
 Aviation and Space Weather Services Branch

Subject: Volcano Observatory Notification for Aviation (VONA) to be
transmitted via the Aeronautical Fixed System (AFS) beginning in November
2025.

The VONA is a notification product used by state volcano observatories (SVOs) globally to inform the aviation community (e.g., meteorologists, air traffic managers, pilots, and dispatchers) of volcanic activity that could pose a hazard to aviation. The content and format of the VONA have been defined by the International Civil Aviation Organization (ICAO) and will become a recommended practice for SVOs to disseminate beginning by November 28, 2025. Within the United States, the U.S. Geological Survey (USGS) has been designated as the SVO to issue VONAs.

In the interest of efficiency and economy in U.S. government operations, the NWS will support the USGS by disseminating the VONA via existing NWS infrastructure, providing a conduit via the AFS, i.e., Aeronautical Message Handling System (AMHS) to meet the ICAO requirement.

Below is an example of the ICAO formatted VONA.

VONA
DTG: 20231003/1412Z
VOLCANO: SHISHALDIN 311360
PSN: N05445 W16358
AREA: ALEUTIANS
SOURCE ELEV: 9373FT AMSL
NOTICE NR: 2023/125
CURRENT COLOUR CODE: RED
PREVIOUS COLOUR CODE: ORANGE
SVO: ALASKA VOLCANO OBSERVATORY
ACT STS: ERUPTION OCCURRED
DUR: ONGOING CONS
VA CLD HGT: 40000FT AMSL
HGT SOURCE: SATELLITE
MOV: S
CTC: ALASKA VOLCANO OBSERVATORY DUTY SCIENTIST, TEL 907-786-7497
RMK: SIG VA EM OBS IN SATELLITE AT 20231003/1350Z. VA EM EXP TO
BE CONS FOR SEVERAL HR.

NXT NOTICE: A NEW VONA WILL BE ISSUED IF COND CHANGE SIGNIFICANTLY OR IF THE COLOUR CODE CHANGES

Users will need to add the new WMO IDs below to receive the VONA via AFS.

Alaskan TAC VONAs:

WMAK01 PAVO	WMAK02 PAVO	WMAK03 PAVO
WMAK04 PAVO	WMAK05 PAVO	WMAK06 PAVO

IWXXM VONAs:

LMAK01 PAVO	LMAK02 PAVO	LMAK03 PAVO
LMAK04 PAVO	LMAK05 PAVO	LMAK06 PAVO

Commonwealth of the Northern Mariana Islands (CNMI) TAC VONAs:

WMMY01 PAVO	WMMY02 PAVO	WMMY03 PAVO
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IWXXM VONAs:

LMMY01 PAVO	LMMY02 PAVO	LMMY03 PAVO
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American Samoa TAC VONAs:

WMPS01 PHVO	WMPS02 PHVO
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IWXXM VONAs:

LMPS01 PHVO	LMPS02 PHVO
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Hawaiian TAC VONAs:

WMPA01 PHVO	WMPA02 PHVO	WMPA03 PHVO
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IWXXM VONAs:

LMPA01 PHVO	LMPA02 PHVO	LMPA03 PHVO
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California TAC VONAs:

WMUS01 KVOL	WMUS02 KVOL	WMUS03 KVOL
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IWXXM VONAs:

LMUS01 KVOL	LMUS02 KVOL	LMUS03 KVOL
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Cascades/Yellowstone TAC VONAs:

WMUS01 KVWA	WMUS02 KVWA	WMUS03 KVWA
WMUS04 KVWA	WMUS05 KVWA	WMUS06 KVWA

IWXXM VONAs:

LMUS01 KVWA	LMUS02 KVWA	LMUS03 KVWA
LMUS04 KVWA	LMUS05 KVWA	LMUS06 KVWA

Further information on the VONA and the USGS can be found at:
<https://www.usgs.gov/programs/VHP/volcano-notifications-deliver-situational-information>

If you have comments or questions, please contact:

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National Service Change notices are online at:
<https://www.weather.gov/notification>

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