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PNSWSH

Service Change Notice 23-92
National Weather Service Headquarters Silver Spring MD
500 PM EDT Mon Sep 11 2023

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From: Ajay Mehta
 Director, NWS Office of Observations

Subject: New Stations Added to GOES-R ASOS Satellite Cloud Products as of August 11, 2023

As of August 11, 2023, the GOES-R Automated Surface Observing System (ASOS) Satellite Cloud Products (ASOS SCPs) are harmonized with the Advanced Weather Interactive Processing System (AWIPS) National Datasets Maintenance (NDM) list of Meteorological Aerodrome Report (METAR) stations.

ASOS SCPs supplement surface weather observations with cloud-cover estimates inferred from observations by the Advanced Baseline Imager (ABI) aboard the GOES-East or GOES-West satellites.

NDM provides a well-defined process for maintaining the set of stations used for ASOS SCPs. Members of the NOAA community may request and track changes to station identifiers, names, locations, or other details, via a repository and ticketing system on the NOAA Virtual Laboratory (VLab) at <https://vlab.noaa.gov/redmine/projects/awips-ndm/issues>. Henceforth, the station list used for ASOS SCPs will be refreshed periodically from the NDM repository.

As an outcome of this change, the ASOS SCPs now include cloud-cover reports for 1,233 new stations or station identifiers. Below is a summary of these changes:

	Previously	Now
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Unique station identifiers:	2,034	3,267
Hourly Cloud-Cover reports:	~4,000	~6,300
Hourly data volume:	161 KB	259 KB

This change has not removed any stations or station identifiers from the list used for ASOS SCPs. Stations whose identifier has changed appear under both their previous and current identifiers. A future update to the ASOS SCPs (with suitable advance notice to users) may remove obsolete station identifiers and stations that are no longer in service.

The ASOS SCPs are broadcast on the Satellite Broadcast Network (SBN) and the NWS Telecommunications Gateway (NWSTG) using the following World Meteorological Organization (WMO) headers and AWIPS IDs:

WMO Header	AWIPS ID	Satellite	WMO Header	AWIPS ID	Satellite
TCUS40 KNES	SCPER1	GOES-East	TCUS50 KNES	SCPER2	GOES-West
TCUS41 KNES	SCPCR1	GOES-East	TCUS51 KNES	SCPCR2	GOES-West
TCUS43 KNES	SCPWR1	GOES-East	TCUS53 KNES	SCPWR2	GOES-West
TCUS42 KNES	SCPSR1	GOES-East	TCUS52 KNES	SCPSR2	GOES-West
TCUS62 KNES	SCPSR3	GOES-East	TCUS54 KNES	SCPPR2	GOES-West

ASOS SCPs report cloud cover for stations in the following states, provinces, territories and nations:

SCPER1,2: CT; DE; MA; MD; ME; NC; NH; NJ; NY; OH; PA; RI; SC; VA; VT; WV
SCPCR1,2: CO; IA; IL; IN; KS; KY; MI; MN; MO; ND; NE; SD; WI; WY
SCPWR1,2: Alberta, Canada; AZ; CA; ID; MT; NV; OR; UT; WA
SCPSR1,2: AL; AR; FL (mainland); GA; LA; MS; NM; OK; TN; TX
SCPSR3: FL (Keys); Puerto Rico; U.S. Virgin Islands; Cuba
SCPPR2: Alaska; Hawaii; U.S. Minor Outlying Islands; Kiribati

Additional details on the ASOS SCPs, including the recently added station identifiers, may be found at <https://vlab.noaa.gov/web/towr-s/asos-scp>.

For questions pertaining to these changes, please contact:

NOAA/NWS Office of Observations
Silver Spring, MD
Email: nws-obs-satellites@noaa.gov

or

AWIPS Network Control Facility (NCF) Help Desk
NOAA/NWS Office of Central Processing
Silver Spring, MD
Phone: 888-808-8624

For questions regarding the content or distribution of the products listed here, please contact:

Joseph Fiore
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National Service Change Notices are online at:

<https://www.weather.gov/notification/>

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