

Alaska AWOS/ASOS METAR Data Availability
Integrated Report: Complete Outages & Parameter-Level Availability

Q4 of CY2025

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Contents

1	Statewide Summary	3
1.1	Introduction	3
1.2	Key Statewide Outage Rates for Quarter	4
1.2.1	Complete METAR Outages	4
1.2.2	Any Key Parameter Missing	4
1.3	Daily Alaskan AWOS/ASOS Outage Trends (Past 5 Quarters)	4
1.4	Statewide Summary by Region	5
1.4.1	Complete METAR Outages	5
1.4.2	Any Key Parameter Missing	5
1.5	Stations with Greater Than 25 Percent Missing (Any Key Parameter)	7
1.6	Starlink Installation Summary and Associated Station Outage Patterns	8
2	Regional Analysis	10
2.1	Southcentral (Hub: Anchorage (PANC))	10
2.1.1	Station Summary	10
2.1.2	Parameter-Level Missing Rates	11
2.1.3	Current Quarter Outages	12
2.1.4	Four-Quarter Outage History	13
2.2	Interior (Hub: Fairbanks (PAFA))	14
2.2.1	Station Summary	14
2.2.2	Parameter-Level Missing Rates	15
2.2.3	Current Quarter Outages	16
2.2.4	Four-Quarter Outage History	17
2.3	North Slope/Arctic (Hub: Deadhorse/Utqiagvik(Barrow))	18
2.3.1	Station Summary	18
2.3.2	Parameter-Level Missing Rates	19
2.3.3	Current Quarter Outages	19
2.3.4	Four-Quarter Outage History	20
2.4	Northwest (Hub: Kotzebue/Nome)	21
2.4.1	Station Summary	21
2.4.2	Parameter-Level Missing Rates	22
2.4.3	Current Quarter Outages	23

2.4.4	Four-Quarter Outage History	24
2.5	Southwest/Bristol Bay (Hub: Dillingham/King Salmon/Unalaska)	25
2.5.1	Station Summary	25
2.5.2	Parameter-Level Missing Rates	26
2.5.3	Current Quarter Outages	27
2.5.4	Four-Quarter Outage History	28
2.6	Western/YK Delta (Hub: Bethel (PABE))	29
2.6.1	Station Summary	29
2.6.2	Parameter-Level Missing Rates	30
2.6.3	Current Quarter Outages	31
2.6.4	Four-Quarter Outage History	32
2.7	Southeast (Hub: Juneau (PAJN))	33
2.7.1	Station Summary	33
2.7.2	Parameter-Level Missing Rates	34
2.7.3	Current Quarter Outages	34
2.7.4	Four-Quarter Outage History	35
3	Methodology	36
3.1	Data Source	36
3.2	Outage Definitions	36
3.3	Key Parameters Tracked	36
3.4	Context-Aware Missing Logic	36
3.5	Report Periods	36
3.6	Gantt Chart Color Scheme	37
4	Acknowledgements	38

1 Statewide Summary

1.1 Introduction

Alaska is an aviation-dependent state with about 23% of the population living off the road system. For so many, aviation infrastructure performance is critical to maintain flows of food, medicine, air ambulance services, patient travel, and basic transportation between communities. One key set of assets from this suite of infrastructure are Automated Weather Observation Stations (AWOS) or Automated Surface Observation Stations (ASOS) that generate real-time aviation weather data that is crucial for operational decision making and the certified weather reports that are functionally essential for landing under instrument flight rules. Given the foundational importance of aviation supply chains for the state economy, aviation stakeholders as well as state and federal leadership have a recognized need for a rapid, top-level monitoring tool of historical aviation weather reporting reliability. This product attempts to fill that gap with routine releases.

The following report provides an integrated view of METAR data availability for **137** NWS and FAA AWOS/ASOS weather observation stations across Alaska for **Q4 of calendar year 2025** (Oct 01, 2025 to Dec 31, 2025). Top-line results are presented first at the state level, and then as a regional breakdown of detailed, station-level METAR availability. Additionally, Starlink has been partially deployed to allow satellite telecommunications connectivity, given serious deficits in status quo reliability in many locations. At stakeholders request, a breakout is included for the subset of stations with recent Starlink installations to review the extent to which this solution resolved METAR availability in a sustainable fashion. This report is intended for domain awareness only and is purposefully structured in a very formulaic fashion, permitting easy replicability each quarter and largely allowing the reader to interpret drivers of trends.

The report tracks two complementary metrics:

1. **Complete METAR Outages:** 2+ consecutive hours without any METAR observation published
2. **Any Key Parameter Missing:** 2+ consecutive hours missing any of 8 key operational parameters (visibility, sky condition, ceiling, temperature, dewpoint, wind speed, wind direction, altimeter)

A note on agency roles and responsibilities for aviation weather stations: In Alaska, the vast majority of AWOS stations are funded, owned, certified, and maintained by the FAA. This includes capital construction, operations, and corrective maintenance performed by FAA Technical Operations staff. However, there are a few contracted AWOS sites within the state. The FAA controls certification standards and regulatory use of all AWOS observations. ASOS stations are federally owned by the National Weather Service (NOAA) under a joint FAA–NWS–DoW program. However, operations and field maintenance in Alaska are typically funded and executed by the NWS. The NWS also funds and manages sensor standards, data processing, forecasting integration, and national archive functions. In addition, the NWS controls certification standards and regulatory use of all ASOS observations, regardless of ownership. The FAA is responsible for providing ASOS-to-ADAS connectivity, dial-up telco circuits for ASOS synthesized voice connections, dial-up telco circuits for ASOS maintenance monitor connections, and leased telco circuits to support ASOS displays.

Furthermore, while it is critical to understand patterns of METAR outages for the functionality of the aviation system and forecasting to support safe industry operations, there is important nuance within the underlying story. A complete lack of METAR data for a station could be driven by several factors. There may be an equipment failure, a power failure, or it is possible the station is generating data but there is a telco transmission failure. In the latter case, manual phone connectivity may be possible for flight planning (supplemented where allowable with VHF broadcasts), though this is labor intensive, inhibits pilots from understanding critical changes in weather patterns, and prevents data entry into the climate record to build and improve forecast models. To establish root causes of outages, and therefore the exact actors responsible for resolution, it is necessary to supplement these data with FAA records from the Remote Monitoring and Logging System (RMLS) and NWS records from the Unscheduled Observation Outage System (UOOS). However, there is not yet a real-time or fully accessible route to expanding this analysis in a timely fashion via these supplemental data sources.

1.2 Key Statewide Outage Rates for Quarter

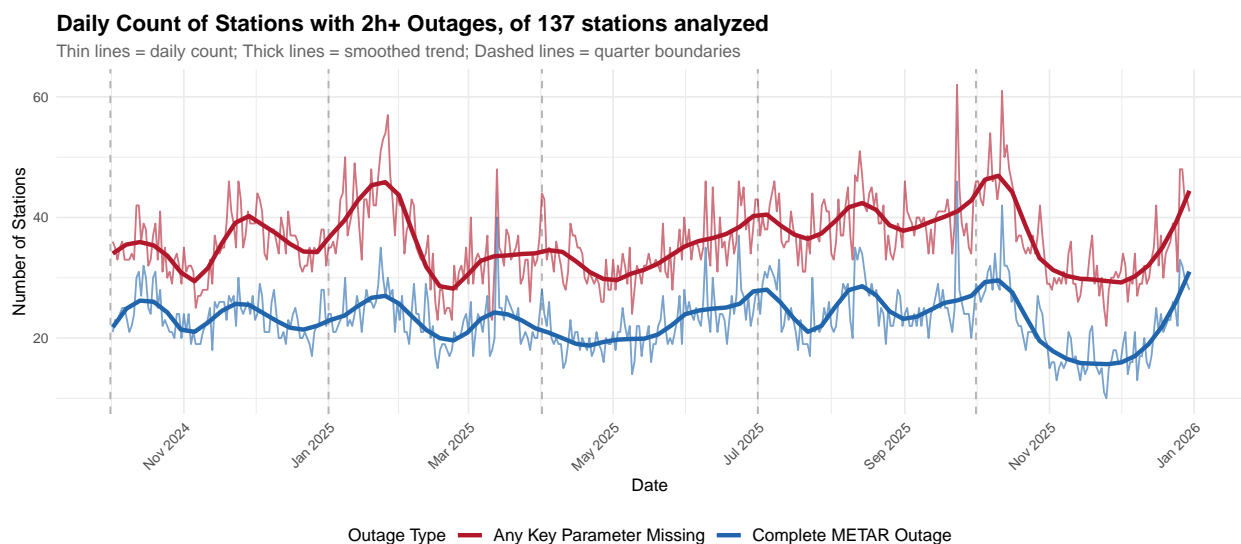
1.2.1 Complete METAR Outages

- **Statewide average missing rate:** 11.5% (vs 13.6% in Q4 CY2024)
- **Stations with 100% availability:** 36
- **Stations with >25% complete missing time periods:** 23

1.2.2 Any Key Parameter Missing

- **Statewide average missing rate:** 19% (vs 19.2% in Q4 CY2024)
- **Stations with 100% parameter availability:** 10
- **Stations with >25% of time periods with any parameter missing:** 38

1.3 Daily Alaskan AWOS/ASOS Outage Trends (Past 5 Quarters)



1.4 Statewide Summary by Region

1.4.1 Complete METAR Outages

Table 1: Complete METAR Outages by Region (Oct 01, 2025 to Dec 31, 2025)

Region	Stations	Pct Off-Road	Qtr Missing Pct		365-Day Missing Pct	
			Current	Prior Year	Current	Prior Year
North Slope/Arctic	8	88%	22.9%	34.4%	21.3%	18.1%
Western/YK Delta	26	100%	18.1%	20.9%	20.7%	26.5%
Southwest/Bristol Bay	25	100%	13.2%	12%	12.4%	13%
Southeast	15	87%	11.3%	19.6%	8.6%	11.4%
Northwest	25	100%	10.4%	15.2%	15.1%	19%
Southcentral	19	21%	7%	2%	3.9%	2.2%
Interior	19	53%	1.7%	1.9%	2.1%	7.8%
TOTAL	137	80%	12.1%	15.1%	12%	14%

Green = improved (>0.5 pp decrease); Red = degraded (>0.5 pp increase).

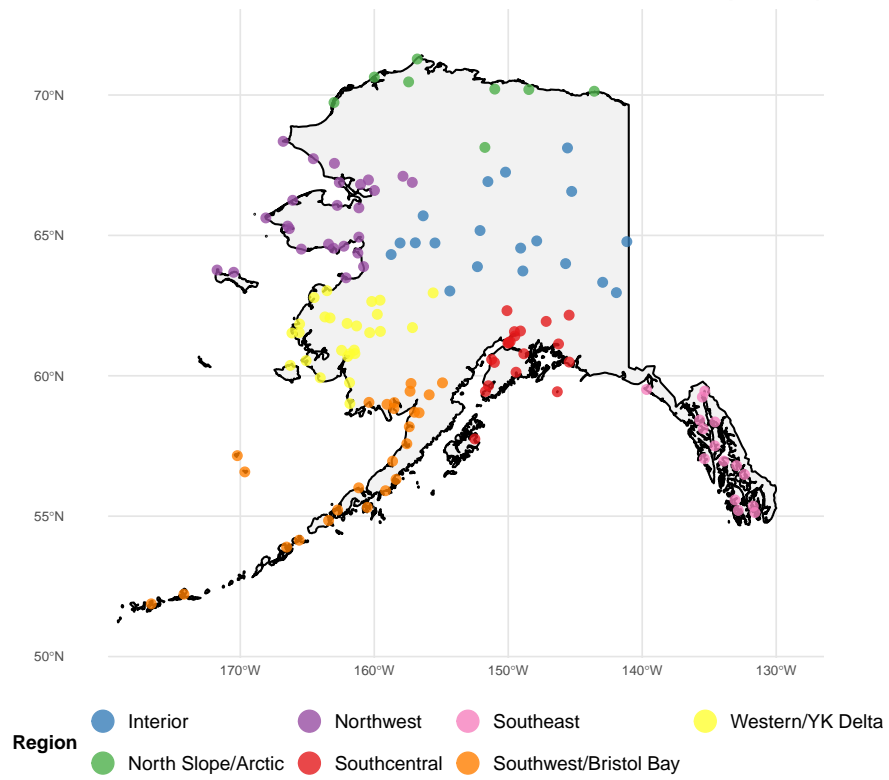
1.4.2 Any Key Parameter Missing

Table 2: Any Key Parameter Missing by Region (Oct 01, 2025 to Dec 31, 2025)

Region	Stations	Pct Off-Road	Qtr Missing Pct		365-Day Missing Pct	
			Current	Prior Year	Current	Prior Year
Western/YK Delta	26	100%	29.7%	27.2%	29.7%	30.9%
Southwest/Bristol Bay	25	100%	26.5%	18.4%	22.7%	19.8%
North Slope/Arctic	8	88%	24.2%	40.8%	24.6%	24.2%
Northwest	25	100%	17.2%	22.6%	20.6%	22.8%
Southeast	15	87%	15.2%	24.5%	12.5%	16.1%
Southcentral	19	21%	10.2%	6.1%	8.1%	6.4%
Interior	19	53%	6.1%	4.6%	4.9%	11.4%
TOTAL	137	80%	18.4%	20.6%	17.6%	18.8%

Key parameters: Visibility, Sky Condition, Ceiling, Temperature, Dewpoint, Wind Speed, Wind Direction, Altimeter.

Included FAA/NWS Alaskan AWOS/ASOS Units (n=137)



1.5 Stations with Greater Than 25 Percent Missing (Any Key Parameter)

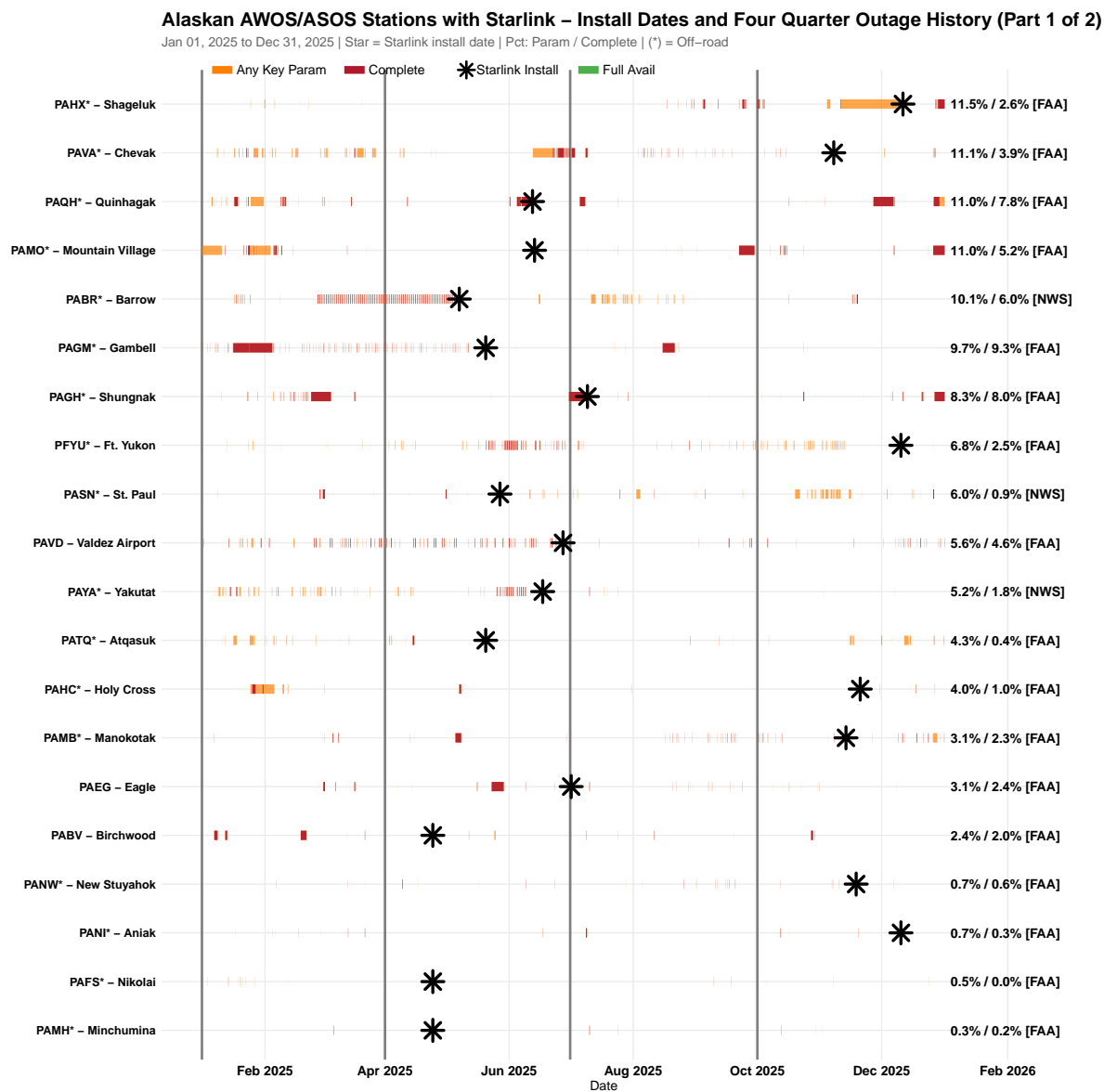
Table 3: Stations with >25% Any Key Parameter Missing (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Region	Agency	Type	Any Param Missing	Complete Missing
PACM*	Scammon Bay	Western/YK Delta	FAA	AWOS-3P	100%	100%
PAUT*	Akutan	Southwest/Bristol Bay	FAA	AWOS-3P	100%	100%
PAWI*	Wainwright	North Slope/Arctic	FAA	ASOS	100%	100%
PFCL*	Clarks Point	Southwest/Bristol Bay	FAA	AWOS-3P	100%	19.4%
PFZK*	Akiachak	Western/YK Delta	FAA	AWOS-3P	93%	0.1%
PASD*	Sand Point	Southwest/Bristol Bay	FAA	AWOS-3P	86.4%	0.1%
PAGK	Gulkana	Southcentral	FAA	ASOS	82%	82%
PAVL*	Kivalina	Northwest	FAA	ASOS	79.3%	7.3%
PAMY*	Mekoryuk	Western/YK Delta	FAA	AWOS-3P	72.5%	31.6%
PAFM*	Ambler	Northwest	FAA	AWOS-3P	69%	68.7%
PPIT*	Nunapitchuk	Western/YK Delta	FAA	AWOS-3P	62.4%	62.2%
PASH*	Shishmaref	Northwest	FAA	AWOS-3P	60%	59.3%
PAGN*	Angoon	Southeast	FAA	AWOS-3P	57.1%	49.7%
PAHY*	Hydaburg	Southeast	FAA	AWOS-3P	53.1%	53%
PAMK*	St Michael	Northwest	FAA	AWOS-3P	52.2%	1.1%
PAPM*	Platinum	Western/YK Delta	FAA	AWOS-3P	52.2%	0.1%
PAAK*	Atka	Southwest/Bristol Bay	FAA	AWOS-3P	50.8%	0%
PFKW*	Kwethluk	Western/YK Delta	FAA	AWOS-3P	49.5%	39%
PAHP*	Hooper Bay	Western/YK Delta	FAA	AWOS-3P	47.1%	43.1%
PAJZ*	Koliganek	Southwest/Bristol Bay	FAA	AWOS-3P	46.4%	45.9%
PADK*	Adak	Southwest/Bristol Bay	FAA	AWOS-3P	42.7%	42.6%
PAKW*	Klawock	Southeast	FAA	ASOS	42.3%	10.4%
PAEM*	Emmonak	Western/YK Delta	FAA	AWOS-3P	41.9%	30.3%
PAPH*	Port Heiden	Southwest/Bristol Bay	FAA	AWOS-3P	41.3%	22.6%
PAHX*	Shageluk	Western/YK Delta	FAA	AWOS-3P	40.3%	6.3%
PADM*	Marshall	Western/YK Delta	FAA	AWOS-3P	38.9%	38.4%
PAWN*	Noatak	Northwest	FAA	AWOS-3P	38.5%	3.1%
PPIZ*	Point Lay	North Slope/Arctic	FAA	AWOS-3P	33.8%	33.7%
PABA*	Barter Is.	North Slope/Arctic	FAA	AWOS-3P	33.6%	32.7%
PAKI*	Kipnuk	Western/YK Delta	FAA	AWOS-3P	33.1%	32.4%
PADE*	Deering	Northwest	FAA	ASOS	32.7%	32.3%
PAIN	McKinley Park	Interior	FAA	AWOS-3P	31.7%	1.2%
PATA*	Tanana	Interior	FAA	ASOS	31%	4.5%
PAMD*	Middleton Is.	Southcentral	FAA	AWOS-3P	28%	13.3%
PAZK	Eureka	Southcentral	FAA	AWOS-3P	28%	26.7%
PAKF*	False Pass	Southwest/Bristol Bay	FAA	AWOS-3P	27.7%	27.4%
PANA*	Napakiak	Western/YK Delta	FAA	AWOS-3P	25.9%	25.9%
PFWS*	South Naknek	Southwest/Bristol Bay	FAA	AWOS-3P	25.1%	18.8%

1.6 Starlink Installation Summary and Associated Station Outage Patterns

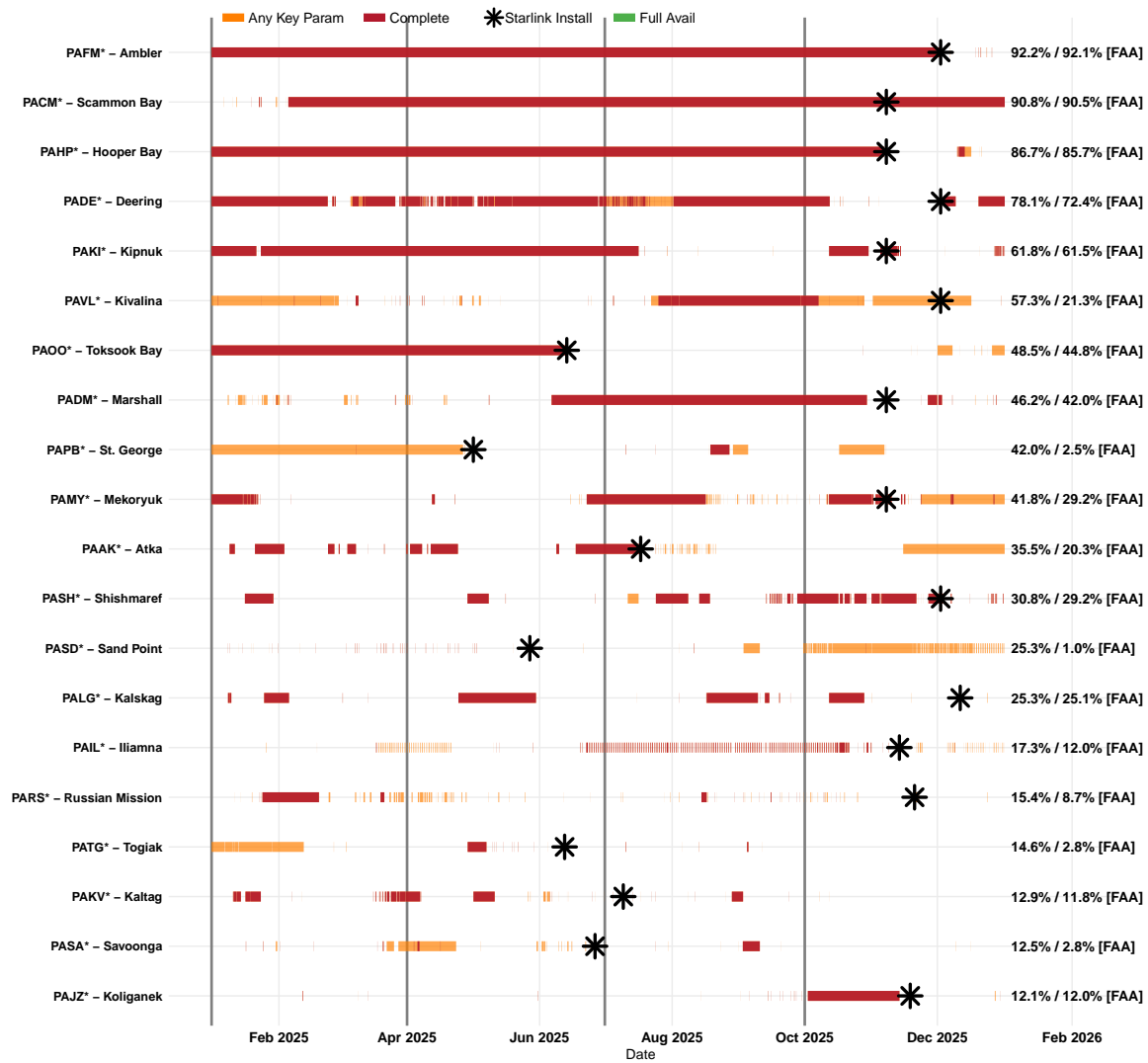
A total of 41 stations have received Starlink installations since April 24, 2025. Discussions with regional leadership indicate that some stations were targeted for Starlink units due to known persistent telco challenges preventing Service A functionality, and others were targeted due to known upcoming disruptions in service (e.g. existing telco firm ending service in that area).

Visually, it is quite clear that, through Dec 31, 2025, many stations with persistent outages returned online and maintained greater reliability after Starlink installation. These reports will continue to monitor medium- and long-term reliability changes in 2026, as well as note future satellite uplink installations.



Alaskan AWOS/ASOS Stations with Starlink – Install Dates and Four Quarter Outage History (Part 2 of 2)

Jan 01, 2025 to Dec 31, 2025 | Star = Starlink install date | Pct: Param / Complete | (*) = Off-road



2 Regional Analysis

2.1 Southcentral (Hub: Anchorage (PANC))

The Southcentral region has 19 stations (21% off-road).

- **Complete METAR Outages:** 7% average (8 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 10.2% average (3 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAGK (82%), PAMD* (28%), PAZK (28%). Highest complete METAR outages: PAGK (82%), PAZK (26.7%), PAMD* (13.3%).

2.1.1 Station Summary

Table 4: Southcentral - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

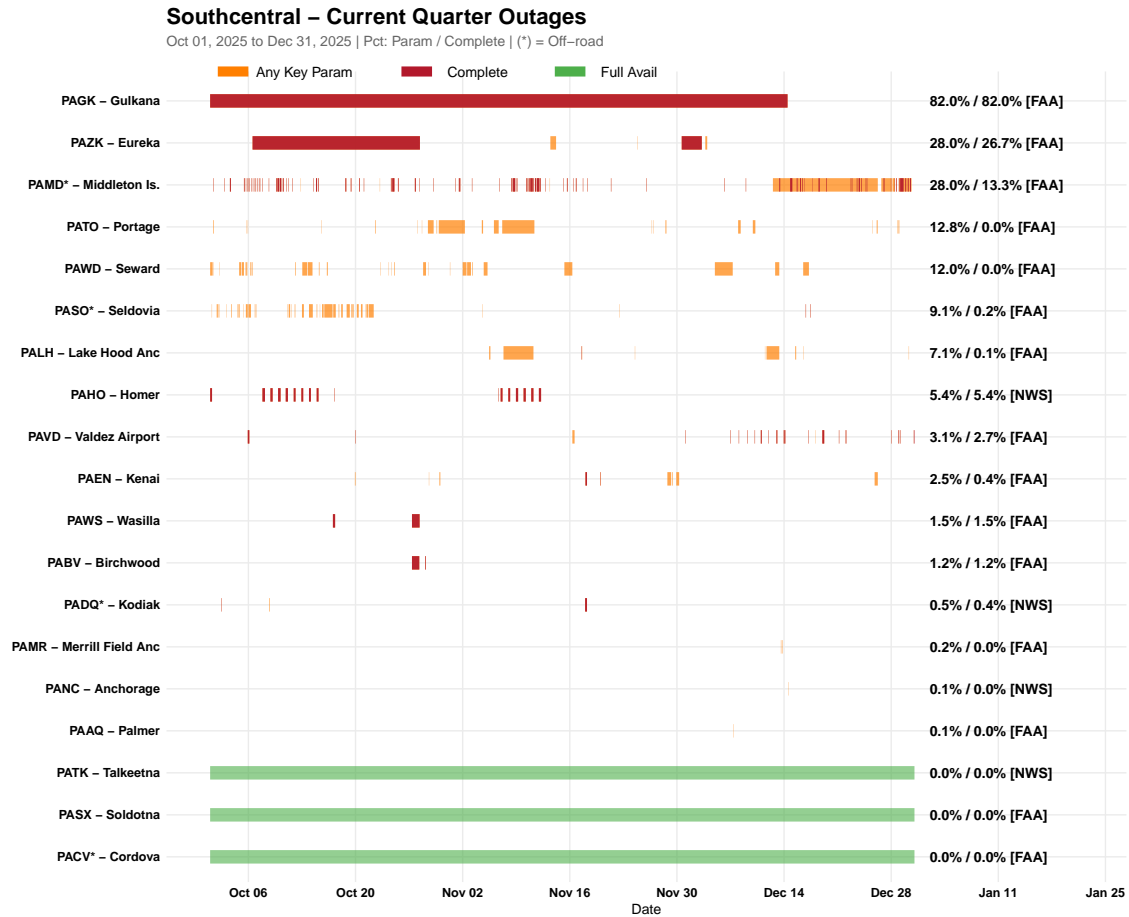
Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAGK	Gulkana	FAA	ASOS	82%	0%	82%	0.1%
PAMD*	Middleton Is.	FAA	AWOS-3P	13.3%	0%	28%	5%
PAZK	Eureka	FAA	AWOS-3P	26.7%	18.7%	28%	18.9%
PATO	Portage	FAA	ASOS	0%	3.8%	12.8%	11.1%
PAWD	Seward	FAA	ASOS	0%	0%	12%	13.3%
PASO*	Seldovia	FAA	ASOS	0.2%	0.3%	9.1%	6.3%
PALH	Lake Hood Anc	FAA	ASOS	0.1%	0%	7.1%	1.4%
PAHO	Homer	NWS	ASOS	5.4%	0%	5.4%	0.1%
PAVD	Valdez Airport	FAA	AWOS-3P	2.7%	4.2%	3.1%	5.2%
PAEN	Kenai	FAA	ASOS	0.4%	0%	2.5%	0%
PAWS	Wasilla	FAA	AWOS-3P	1.5%	3.9%	1.5%	3.9%
PABV	Birchwood	FAA	AWOS-3P	1.2%	3.8%	1.2%	3.9%
PADQ*	Kodiak	NWS	ASOS	0.4%	0%	0.5%	0%
PAMR	Merrill Field Anc	FAA	ASOS	0%	0%	0.2%	0%
PAAQ	Palmer	FAA	ASOS	0%	0%	0.1%	0.2%
PANC	Anchorage	NWS	ASOS	0%	0%	0.1%	0.1%
PACV*	Cordova	FAA	ASOS	0%	0%	0%	42.1%
PASX	Soldotna	FAA	AWOS-3P	0%	2.7%	0%	2.7%
PATK	Talkeetna	NWS	ASOS	0%	0.3%	0%	1.3%

2.1.2 Parameter-Level Missing Rates

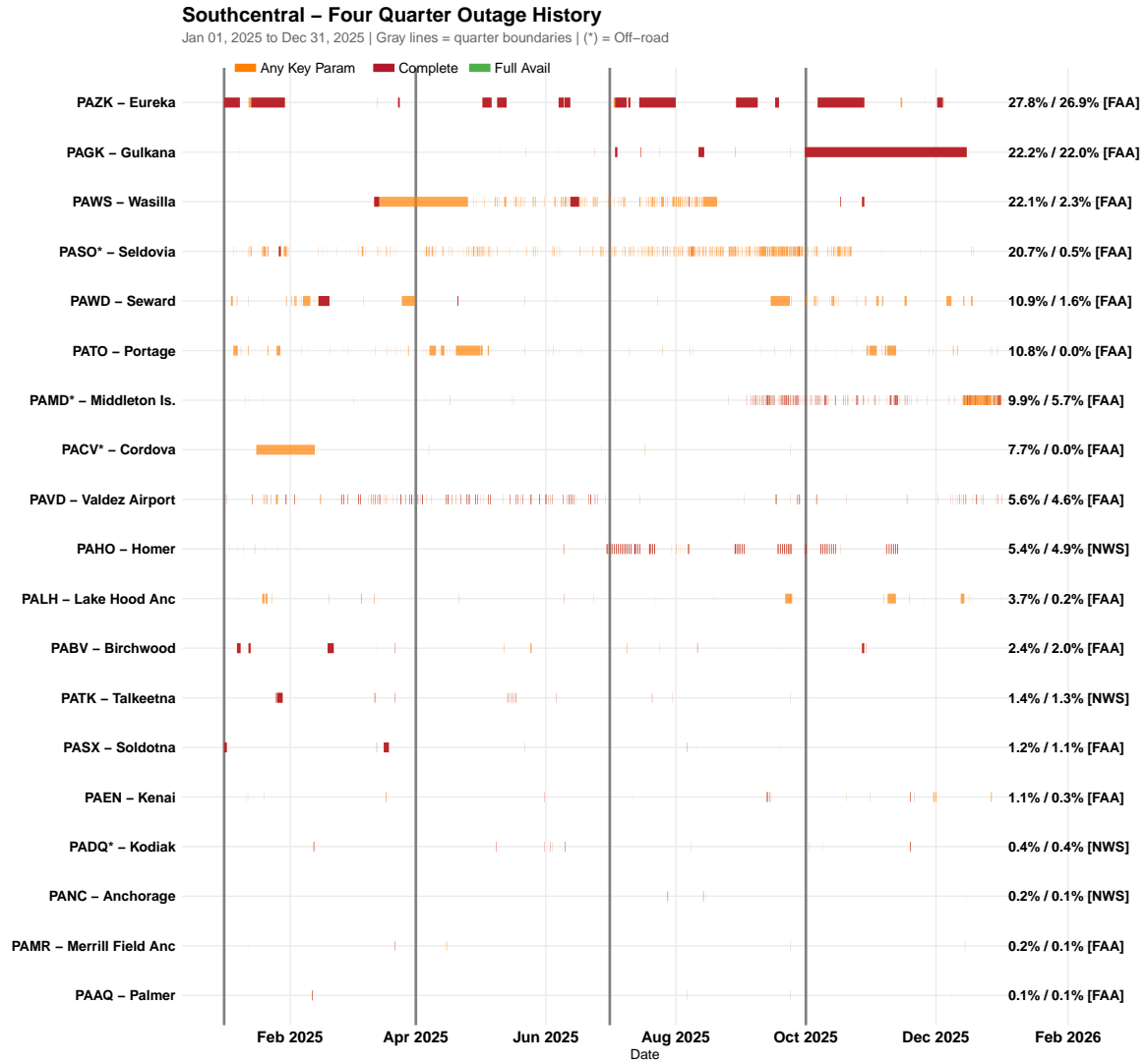
Table 5: Southcentral - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAGK	Gulkana	FAA	ASOS	82%	82%	82%	82%	82%	82%	82%	82%
PAMD*	Middleton Is.	FAA	AWOS-3P	28%	27.4%	14%	13.4%	13.4%	13.3%	13.3%	13.4%
PAZK	Eureka	FAA	AWOS-3P	28%	26.7%	27.6%	27%	27%	26.8%	26.8%	26.7%
PATO	Portage	FAA	ASOS	12.8%	0.3%	1.2%	0.2%	0.4%	1.9%	1.9%	10.6%
PAWD	Seward	FAA	ASOS	12%	0%	0%	0%	6.1%	5.9%	5.9%	0%
PASO*	Seldovia	FAA	ASOS	9.1%	0.2%	0.3%	1.1%	1.2%	8%	8%	0.2%
PALH	Lake Hood Anc	FAA	ASOS	7.1%	0.5%	0.4%	0.1%	0.1%	6.5%	6.5%	0.1%
PAHO	Homer	NWS	ASOS	5.4%	5.4%	5.4%	5.4%	5.4%	5.4%	5.4%	5.4%
PAVD	Valdez Airport	FAA	AWOS-3P	3.1%	2.7%	2.7%	2.7%	2.7%	3%	3%	2.8%
PAEN	Kenai	FAA	ASOS	2.5%	0.7%	0.6%	0.5%	0.5%	2.2%	2.2%	0.4%
PAWS	Wasilla	FAA	AWOS-3P	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
PABV	Birchwood	FAA	AWOS-3P	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%
PADQ*	Kodiak	NWS	ASOS	0.5%	0.4%	0.5%	0.5%	0.5%	0.4%	0.4%	0.4%
PAMR	Merrill Field Anc	FAA	ASOS	0.2%	0.1%	0.1%	0.1%	0.1%	0%	0%	0%
PAAQ	Palmer	FAA	ASOS	0.1%	0%	0.1%	0%	0%	0%	0%	0%
PANC	Anchorage	NWS	ASOS	0.1%	0%	0%	0%	0%	0%	0%	0.1%
PACV*	Cordova	FAA	ASOS	0%	0%	0%	0%	0%	0%	0%	0%
PASX	Soldotna	FAA	AWOS-3P	0%	0%	0%	0%	0%	0%	0%	0%
PATK	Talkeetna	NWS	ASOS	0%	0%	0%	0%	0%	0%	0%	0%

2.1.3 Current Quarter Outages



2.1.4 Four-Quarter Outage History



2.2 Interior (Hub: Fairbanks (PAFA))

The Interior region has 19 stations (53% off-road).

- **Complete METAR Outages:** 1.7% average (10 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 6.1% average (3 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAIN (31.7%), PATA* (31%), PANN (15.2%). Highest complete METAR outages: PANN (15.1%), PANU* (9.9%), PATA* (4.5%).

2.2.1 Station Summary

Table 6: Interior - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

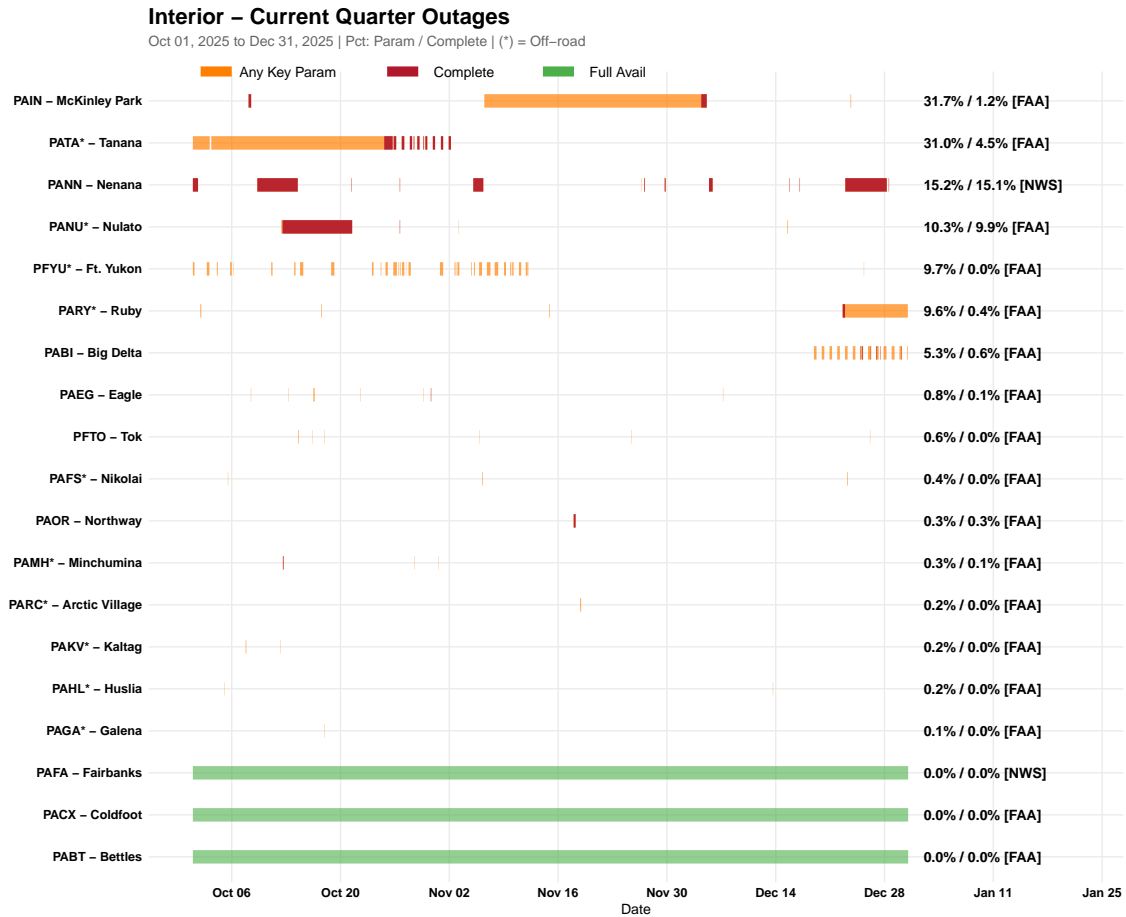
Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAIN	McKinley Park	FAA	AWOS-3P	1.2%	0.1%	31.7%	6%
PATA*	Tanana	FAA	ASOS	4.5%	0.1%	31%	15.8%
PANN	Nenana	NWS	ASOS	15.1%	0%	15.2%	0.2%
PANU*	Nulato	FAA	AWOS-3P	9.9%	0%	10.3%	0.2%
PFYU*	Ft. Yukon	FAA	AWOS-3P	0%	0%	9.7%	3.1%
PARY*	Ruby	FAA	AWOS-3P	0.4%	23.5%	9.6%	30%
PABI	Big Delta	FAA	ASOS	0.6%	0%	5.3%	0.3%
PAEG	Eagle	FAA	ASOS	0.1%	0.1%	0.8%	0.5%
PFTO	Tok	FAA	AWOS-3P	0%	0%	0.6%	0.5%
PAFS*	Nikolai	FAA	AWOS-3P	0%	0.7%	0.4%	3.5%
PAMH*	Minchumina	FAA	AWOS-3P	0.1%	0.5%	0.3%	0.5%
PAOR	Northway	FAA	ASOS	0.3%	5.6%	0.3%	5.7%
PAHL*	Huslia	FAA	AWOS-3P	0%	0.3%	0.2%	0.4%
PAKV*	Kaltag	FAA	ASOS	0%	3.3%	0.2%	3.3%
PARC*	Arctic Village	FAA	AWOS-3P	0%	0.2%	0.2%	0.2%
PAGA*	Galena	FAA	AWOS-3P	0%	0%	0.1%	0.6%
PABT	Bettles	FAA	ASOS	0%	0.2%	0%	0.2%
PACX	Coldfoot	FAA	AWOS-3P	0%	1.1%	0%	17%
PAFA	Fairbanks	NWS	ASOS	0%	0%	0%	0%

2.2.2 Parameter-Level Missing Rates

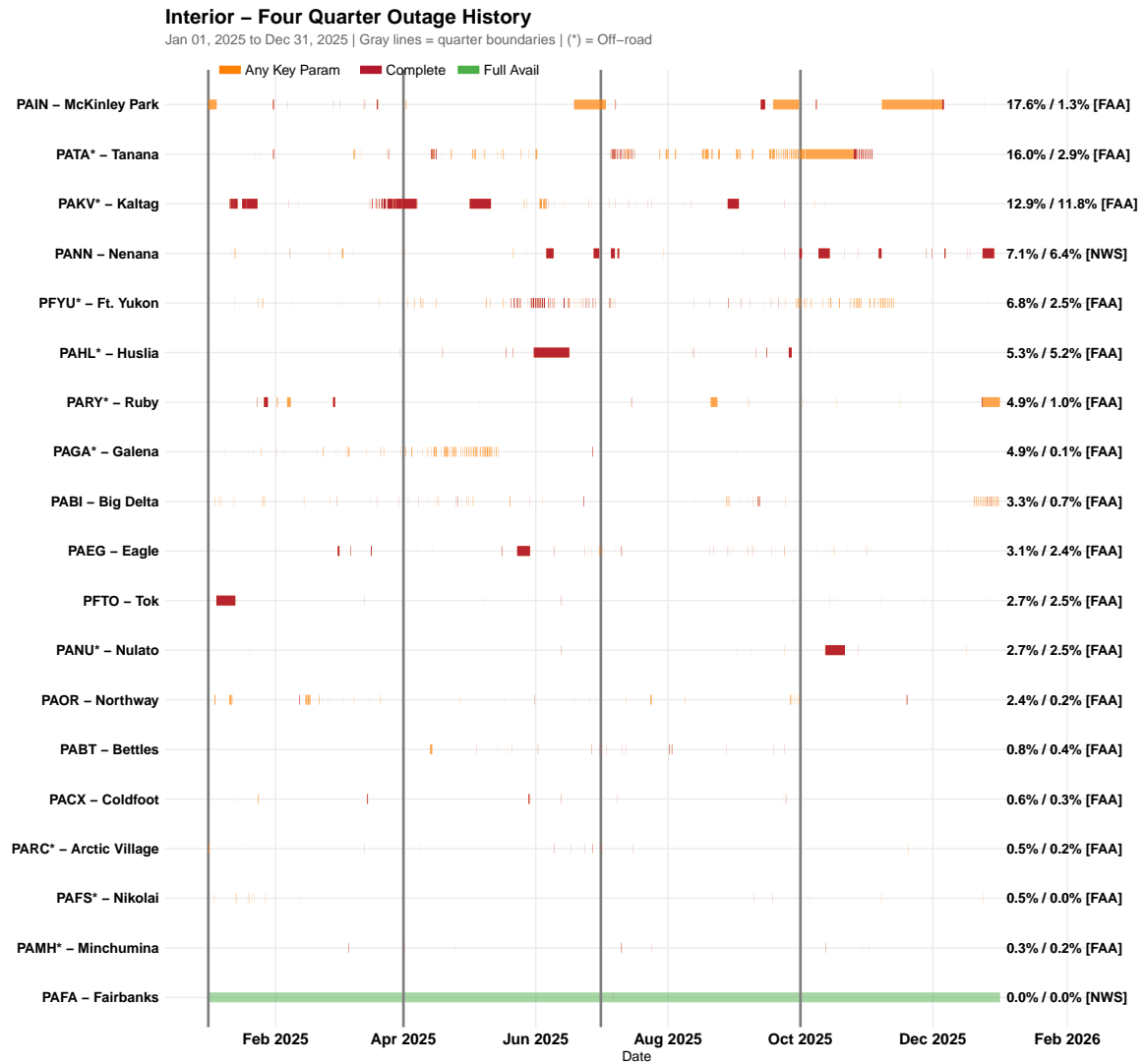
Table 7: Interior - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAIN	McKinley Park	FAA	AWOS-3P	31.7%	1.2%	31.6%	1.2%	1.2%	1.4%	1.4%	1.2%
PATA*	Tanana	FAA	ASOS	31%	4.6%	4.7%	31.1%	31.1%	4.6%	4.6%	4.5%
PANN	Nenana	NWS	ASOS	15.2%	15.1%	15.2%	15.1%	15.1%	15.1%	15.1%	15.1%
PANU*	Nulato	FAA	AWOS-3P	10.3%	10.2%	10.2%	10%	10%	9.9%	9.9%	9.9%
PFYU*	Ft. Yukon	FAA	AWOS-3P	9.7%	9.6%	0%	0%	0%	0.1%	0.1%	0%
PARY*	Ruby	FAA	AWOS-3P	9.6%	9.2%	9.3%	9.3%	9.3%	9.3%	9.3%	9.2%
PABI	Big Delta	FAA	ASOS	5.3%	5.3%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
PAEG	Eagle	FAA	ASOS	0.8%	0.1%	0.5%	0.1%	0.1%	0.4%	0.4%	0.1%
PFTO	Tok	FAA	AWOS-3P	0.6%	0.1%	0.1%	0.3%	0.3%	0.1%	0.1%	0%
PAFS*	Nikolai	FAA	AWOS-3P	0.4%	0%	0.2%	0.1%	0.1%	0%	0%	0%
PAMH*	Minchumina	FAA	AWOS-3P	0.3%	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%
PAOR	Northway	FAA	ASOS	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
PAHL*	Huslia	FAA	AWOS-3P	0.2%	0%	0%	0.1%	0.2%	0%	0%	0%
PAKV*	Kaltag	FAA	ASOS	0.2%	0%	0%	0%	0%	0.2%	0.2%	0%
PARC*	Arctic Village	FAA	AWOS-3P	0.2%	0%	0.2%	0%	0%	0%	0%	0%
PAGA*	Galena	FAA	AWOS-3P	0.1%	0%	0%	0.1%	0.1%	0%	0%	0%
PABT	Bettles	FAA	ASOS	0%	0%	0%	0%	0%	0%	0%	0%
PACX	Coldfoot	FAA	AWOS-3P	0%	0%	0%	0%	0%	0%	0%	0%
PAFA	Fairbanks	NWS	ASOS	0%	0%	0%	0%	0%	0%	0%	0%

2.2.3 Current Quarter Outages



2.2.4 Four-Quarter Outage History



2.3 North Slope/Arctic (Hub: Deadhorse/Utqiagvik(Barrow))

The North Slope/Arctic region has 8 stations (88% off-road).

- **Complete METAR Outages:** 22.9% average (2 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 24.2% average (0 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAWI* (100%), PPIZ* (33.8%), PABA* (33.6%).
Highest complete METAR outages: PAWI* (100%), PPIZ* (33.7%), PABA* (32.7%).

2.3.1 Station Summary

Table 8: North Slope/Arctic - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

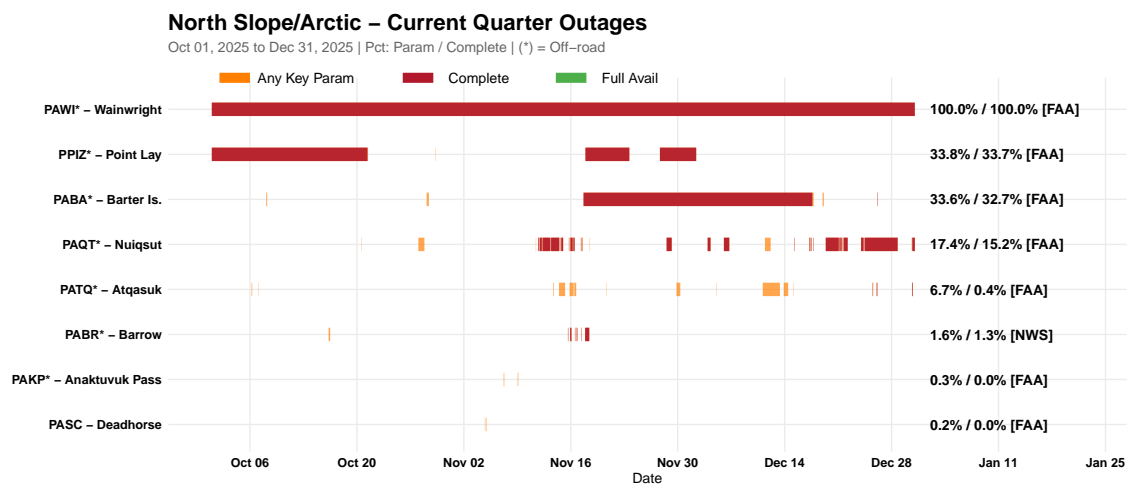
Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAWI*	Wainwright	FAA	ASOS	100%	100%	100%	100%
PPIZ*	Point Lay	FAA	AWOS-3P	33.7%	58.8%	33.8%	89%
PABA*	Barter Is.	FAA	AWOS-3P	32.7%	100%	33.6%	100%
PAQT*	Nuiqsut	FAA	ASOS	15.2%	7.1%	17.4%	10.6%
PATQ*	Atqasuk	FAA	AWOS-3P	0.4%	0.1%	6.7%	0.3%
PABR*	Barrow	NWS	ASOS	1.3%	8.2%	1.6%	9%
PAKP*	Anaktuvuk Pass	FAA	AWOS-3P	0%	1.1%	0.3%	16.9%
PASC	Deadhorse	FAA	ASOS	0%	0%	0.2%	0.4%

2.3.2 Parameter-Level Missing Rates

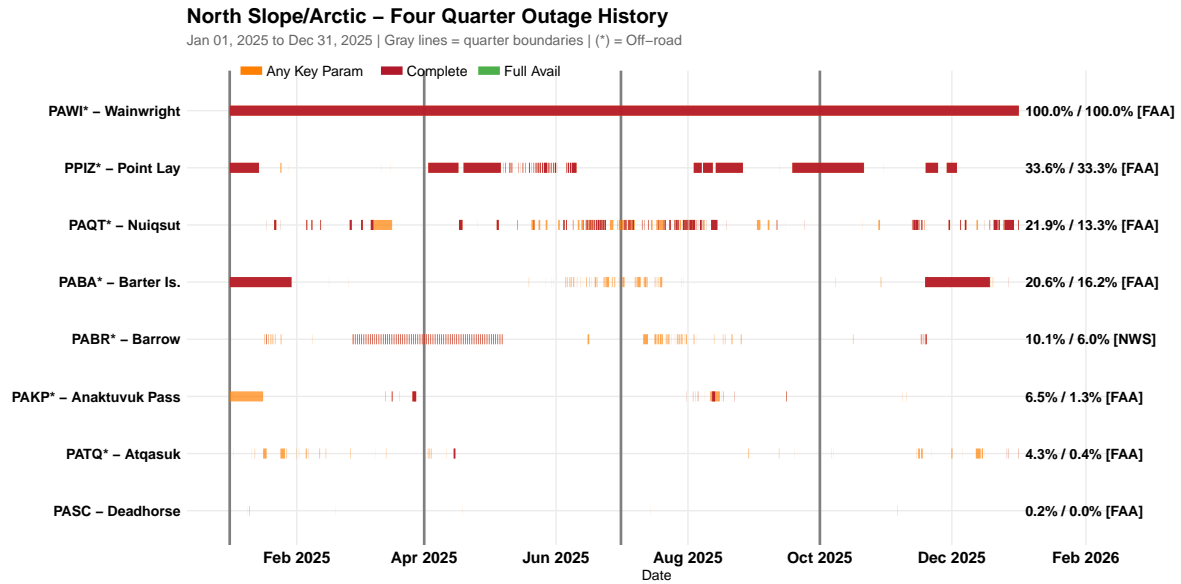
Table 9: North Slope/Arctic - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAWI*	Wainwright	FAA	ASOS	100%	100%	100%	100%	100%	100%	100%	100%
PPIZ*	Point Lay	FAA	AWOS-3P	33.8%	33.7%	33.7%	33.8%	33.8%	33.8%	33.8%	33.7%
PABA*	Barter Is.	FAA	AWOS-3P	33.6%	32.7%	33.1%	32.8%	32.9%	33%	33%	32.7%
PAQT*	Nuiqsut	FAA	ASOS	17.4%	15.2%	15.4%	15.3%	17.1%	15.3%	15.3%	15.1%
PATQ*	Atqasuk	FAA	AWOS-3P	6.7%	0.4%	3.7%	0.6%	0.9%	3.5%	3.5%	0.4%
PABR*	Barrow	NWS	ASOS	1.6%	1.3%	1.3%	1.3%	1.3%	1.6%	1.6%	1.3%
PAKP*	Anaktuvuk Pass	FAA	AWOS-3P	0.3%	0%	0%	0.3%	0.3%	0%	0%	0%
PASC	Deadhorse	FAA	ASOS	0.2%	0%	0.2%	0%	0%	0%	0%	0%

2.3.3 Current Quarter Outages



2.3.4 Four-Quarter Outage History



2.4 Northwest (Hub: Kotzebue/Nome)

The Northwest region has 25 stations (100% off-road).

- **Complete METAR Outages:** 10.4% average (5 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 17.2% average (1 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAVL* (79.3%), PAFM* (69%), PASH* (60%). Highest complete METAR outages: PAFM* (68.7%), PASH* (59.3%), PADE* (32.3%).

2.4.1 Station Summary

Table 10: Northwest - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

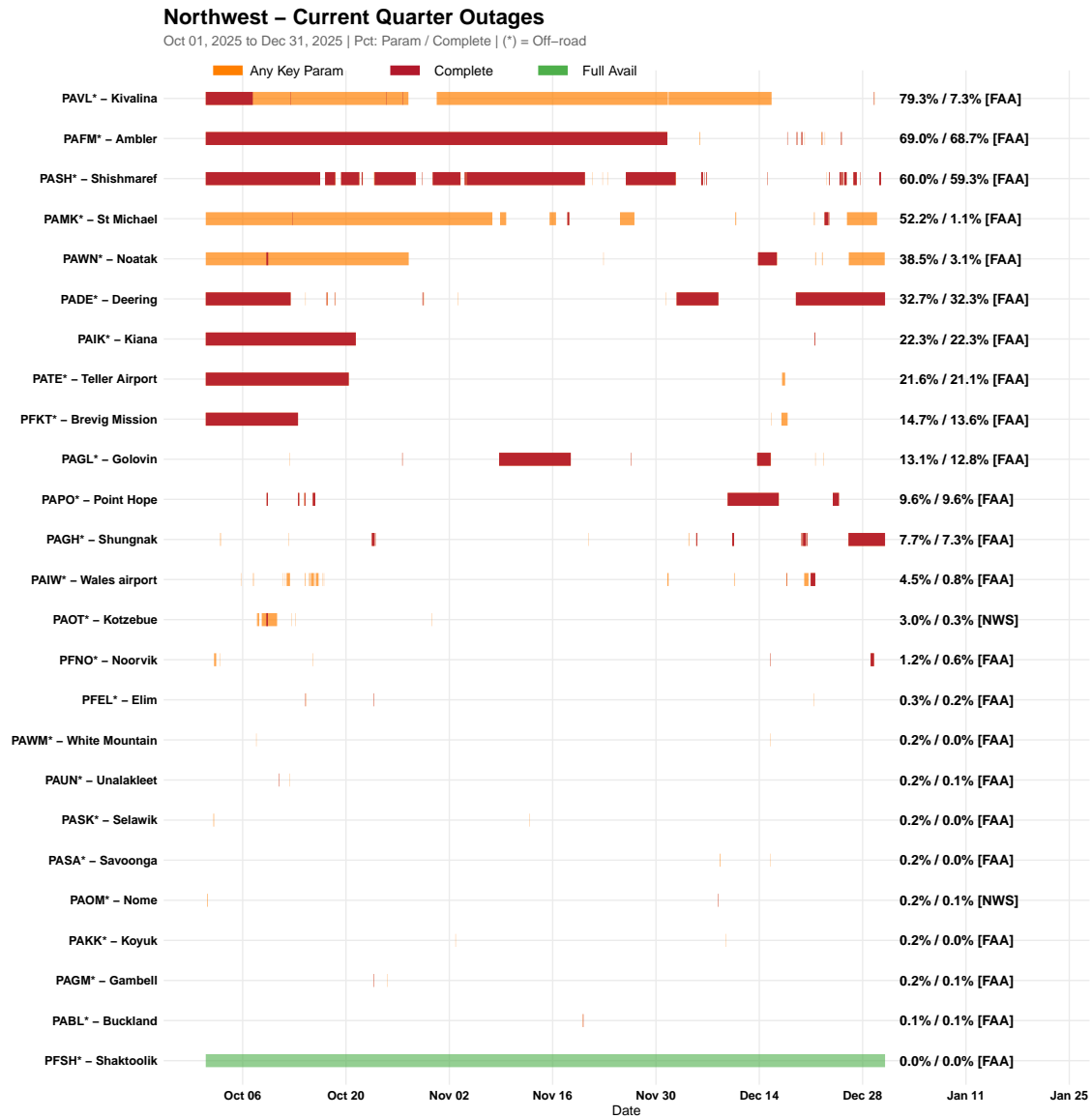
Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAVL*	Kivalina	FAA	ASOS	7.3%	4.9%	79.3%	49.7%
PAFM*	Ambler	FAA	AWOS-3P	68.7%	100%	69%	100%
PASH*	Shishmaref	FAA	AWOS-3P	59.3%	8.7%	60%	30.9%
PAMK*	St Michael	FAA	AWOS-3P	1.1%	22.1%	52.2%	22.5%
PAWN*	Noatak	FAA	AWOS-3P	3.1%	31%	38.5%	36.5%
PADE*	Deering	FAA	ASOS	32.3%	23.9%	32.7%	24%
PAIK*	Kiana	FAA	AWOS-3P	22.3%	1%	22.3%	1.1%
PATE*	Teller Airport	FAA	AWOS-3P	21.1%	20.8%	21.6%	20.8%
PFKT*	Brevig Mission	FAA	AWOS-3P	13.6%	22.1%	14.7%	22.3%
PAGL*	Golovin	FAA	AWOS-3P	12.8%	16.2%	13.1%	16.3%
PAPO*	Point Hope	FAA	AWOS-3P	9.6%	10.6%	9.6%	11.5%
PAGH*	Shungnak	FAA	AWOS-3P	7.3%	3.1%	7.7%	3.5%
PAIW*	Wales airport	FAA	AWOS-3P	0.8%	1.1%	4.5%	37.6%
PAOT*	Kotzebue	NWS	ASOS	0.3%	0.4%	3%	6.5%
PFNO*	Noorvik	FAA	AWOS-3P	0.6%	23.7%	1.2%	23.8%
PFEL*	Elim	FAA	AWOS-3P	0.2%	38.8%	0.3%	39.6%
PAGM*	Gambell	FAA	AWOS-3P	0.1%	7.1%	0.2%	7.8%
PAKK*	Koyuk	FAA	AWOS-3P	0%	0%	0.2%	41.5%
PAOM*	Nome	NWS	ASOS	0.1%	7%	0.2%	7.1%
PASA*	Savoonga	FAA	AWOS-3P	0%	35.5%	0.2%	49.6%
PASK*	Selawik	FAA	AWOS-3P	0%	0%	0.2%	0.1%
PAUN*	Unalakleet	FAA	AWOS-3P	0.1%	0%	0.2%	10.5%
PAWM*	White Mountain	FAA	AWOS-3P	0%	0.1%	0.2%	0.9%
PABL*	Buckland	FAA	AWOS-3P	0.1%	0.3%	0.1%	0.3%
PFSH*	Shaktoolik	FAA	AWOS-3P	0%	0.8%	0%	1.1%

2.4.2 Parameter-Level Missing Rates

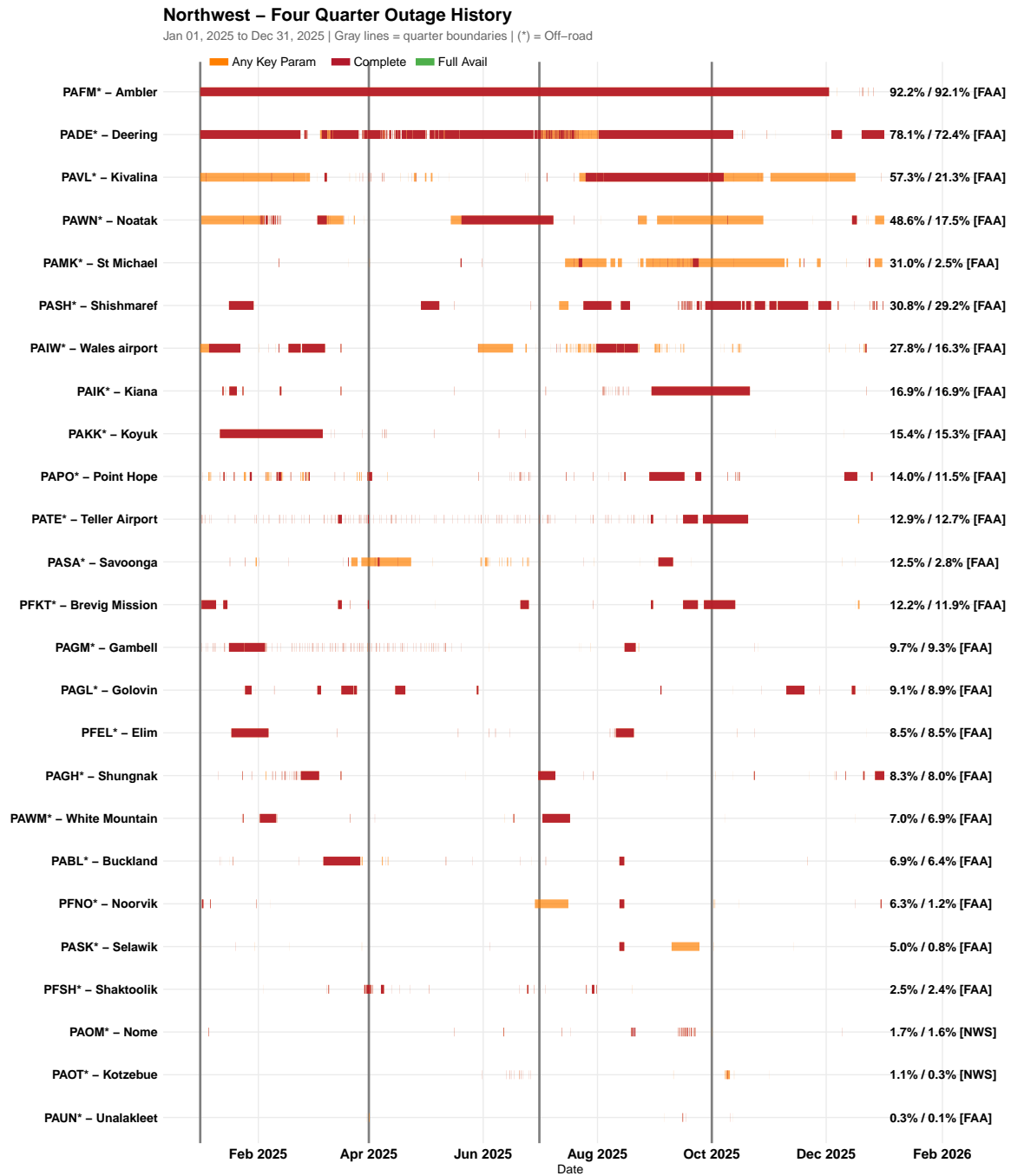
Table 11: Northwest - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAVL*	Kivalina	FAA	ASOS	79.3%	7.3%	30%	7.3%	7.3%	41.4%	41.4%	22.5%
PAFM*	Ambler	FAA	AWOS-3P	69%	68.7%	68.7%	68.7%	68.7%	68.7%	68.7%	69.1%
PASH*	Shishmaref	FAA	AWOS-3P	60%	59.4%	59.8%	59.5%	59.5%	59.4%	59.4%	59.5%
PAMK*	St Michael	FAA	AWOS-3P	52.2%	2.1%	1.2%	51.9%	51.9%	1.3%	1.3%	1.1%
PAWN*	Noatak	FAA	AWOS-3P	38.5%	8.5%	3.7%	3.3%	3.3%	3.1%	3.1%	32.7%
PADE*	Deering	FAA	ASOS	32.7%	32.3%	32.6%	32.2%	32.2%	32.2%	32.2%	32.2%
PAIK*	Kiana	FAA	AWOS-3P	22.3%	22.3%	22.3%	22.3%	22.3%	22.3%	22.3%	22.3%
PATE*	Teller Airport	FAA	AWOS-3P	21.6%	21.1%	21.1%	21.1%	21.1%	21.6%	21.6%	21.1%
PFKT*	Brevig Mission	FAA	AWOS-3P	14.7%	13.6%	13.6%	13.7%	13.7%	14.6%	14.6%	13.6%
PAGL*	Golovin	FAA	AWOS-3P	13.1%	12.8%	12.9%	12.9%	12.9%	12.9%	12.9%	12.9%
PAPO*	Point Hope	FAA	AWOS-3P	9.6%	9.6%	9.6%	9.6%	9.6%	9.6%	9.6%	9.6%
PAGH*	Shungnak	FAA	AWOS-3P	7.7%	7.3%	7.5%	7.4%	7.4%	7.2%	7.2%	7.3%
PAIW*	Wales airport	FAA	AWOS-3P	4.5%	1.1%	1.4%	0.8%	3.5%	1.2%	1.2%	0.8%
PAOT*	Kotzebue	NWS	ASOS	3%	2.3%	1.7%	2%	2.3%	1.6%	1.6%	0.3%
PFNO*	Noorvik	FAA	AWOS-3P	1.2%	0.7%	0.6%	1.1%	1.1%	0.6%	0.6%	0.6%
PFEL*	Elim	FAA	AWOS-3P	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%
PAGM*	Gambell	FAA	AWOS-3P	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
PAKK*	Koyuk	FAA	AWOS-3P	0.2%	0%	0.1%	0%	0.1%	0%	0%	0%
PAOM*	Nome	NWS	ASOS	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%
PASA*	Savoonga	FAA	AWOS-3P	0.2%	0%	0.2%	0.1%	0.1%	0%	0%	0%
PASK*	Selawik	FAA	AWOS-3P	0.2%	0%	0%	0.2%	0.2%	0%	0%	0%
PAUN*	Unalakleet	FAA	AWOS-3P	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
PAWM*	White Mountain	FAA	AWOS-3P	0.2%	0%	0.1%	0.1%	0.1%	0%	0%	0%
PABL*	Buckland	FAA	AWOS-3P	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
PFSH*	Shaktoolik	FAA	AWOS-3P	0%	0%	0%	0%	0%	0%	0%	0%

2.4.3 Current Quarter Outages



2.4.4 Four-Quarter Outage History



2.5 Southwest/Bristol Bay (Hub: Dillingham/King Salmon/Unalaska)

The Southwest/Bristol Bay region has 25 stations (100% off-road).

- **Complete METAR Outages:** 13.2% average (7 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 26.5% average (2 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAUT* (100%), PFCL* (100%), PASD* (86.4%).
Highest complete METAR outages: PAUT* (100%), PAJZ* (45.9%), PADK* (42.6%).

2.5.1 Station Summary

Table 12: Southwest/Bristol Bay - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025).
(*) = Off-road.

Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAUT*	Akutan	FAA	AWOS-3P	100%	100%	100%	100%
PFCL*	Clarks Point	FAA	AWOS-3P	19.4%	0.3%	100%	39%
PASD*	Sand Point	FAA	AWOS-3P	0.1%	0.7%	86.4%	1.5%
PAAK*	Atka	FAA	AWOS-3P	0%	31%	50.8%	31.6%
PAJZ*	Koliganek	FAA	AWOS-3P	45.9%	0.2%	46.4%	0.2%
PADK*	Adak	FAA	AWOS-3P	42.6%	23.7%	42.7%	26%
PAPH*	Port Heiden	FAA	AWOS-3P	22.6%	0%	41.3%	0.3%
PAKF*	False Pass	FAA	AWOS-3P	27.4%	1.3%	27.7%	1.3%
PFWS*	South Naknek	FAA	AWOS-3P	18.8%	0.1%	25.1%	0.2%
PAII*	Egegik	FAA	AWOS-3P	23.5%	0.3%	23.7%	0.3%
PAPB*	St. George	FAA	ASOS	0%	0%	22.8%	92.3%
PAOU*	Nelson Lagoon	FAA	AWOS-3P	0%	0%	22.2%	12.9%
PAIL*	Iliamna	FAA	ASOS	12.8%	0%	19.8%	0.4%
PAIG*	Igiugig	FAA	AWOS-3P	0%	0%	17.9%	0.3%
PASN*	St. Paul	NWS	ASOS	0.6%	1.6%	15.4%	1.6%
PAJC*	Chignik	FAA	AWOS-3P	12.4%	100%	12.5%	100%
PAMB*	Manokotak	FAA	AWOS-3P	2.9%	0.4%	5.7%	0.7%
PACD*	Cold Bay	NWS	ASOS	0.5%	0%	0.7%	0.6%
PADL*	Dillingham	FAA	AWOS-3P	0.2%	0%	0.6%	0.1%
PANW*	New Stuyahok	FAA	AWOS-3P	0.5%	0.1%	0.5%	0.2%
PAPN*	Pilot Point	FAA	AWOS-3P	0.3%	38.8%	0.5%	38.8%
PADU*	Dutch Harbor	FAA	AWOS-3P	0%	0.1%	0.2%	0.1%
PAPE*	Perryville	FAA	AWOS-3P	0.1%	0%	0.2%	0%
PAKN*	King Salmon	NWS	ASOS	0%	0.1%	0%	0.5%
PATG*	Togiak	FAA	AWOS-3P	0%	0.3%	0%	10.5%

2.5.2 Parameter-Level Missing Rates

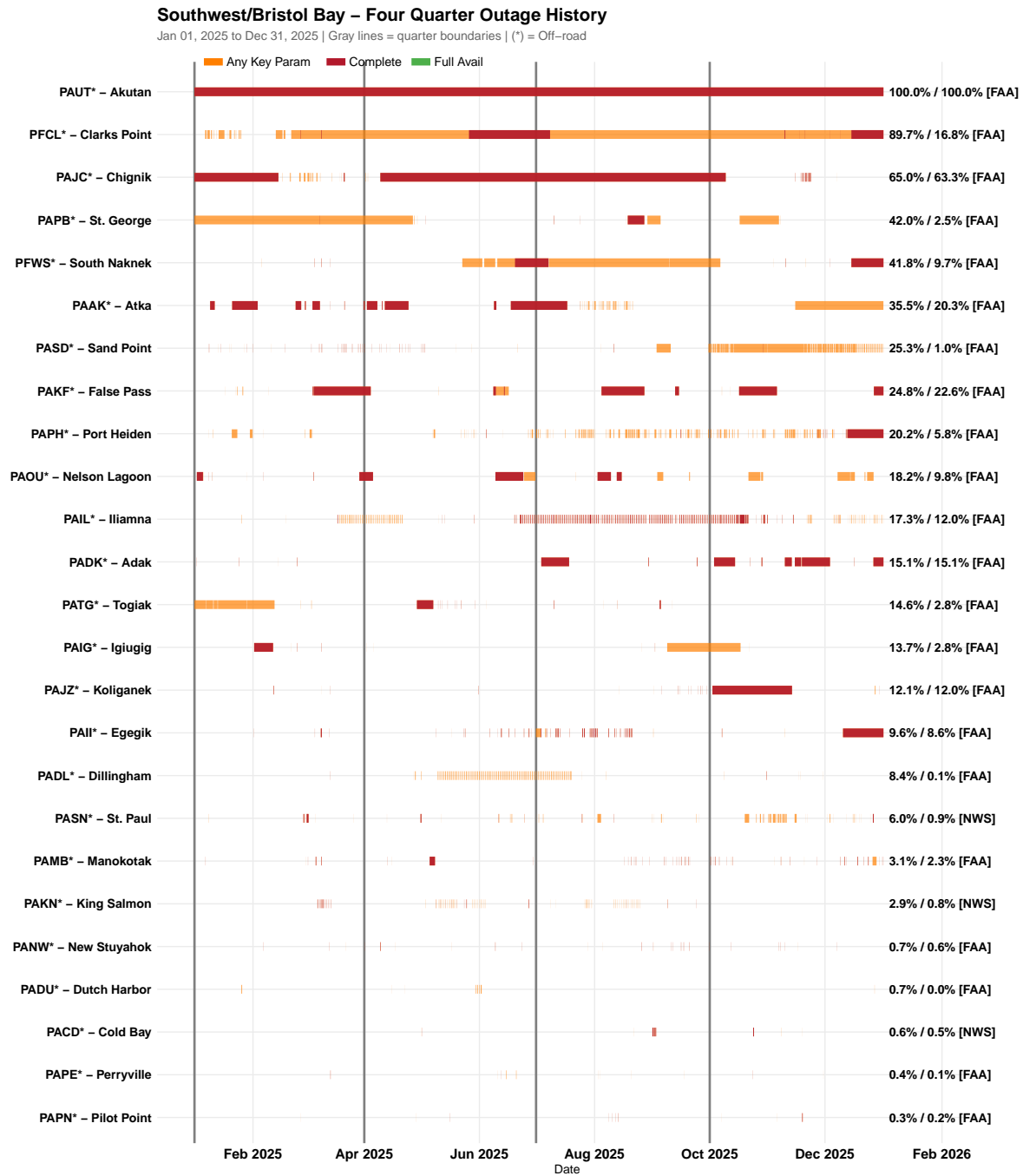
Table 13: Southwest/Bristol Bay - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025).
(*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAUT*	Akutan	FAA	AWOS-3P	100%	100%	100%	100%	100%	100%	100%	100%
PFCL*	Clarks Point	FAA	AWOS-3P	100%	19.3%	19.3%	19.5%	25%	100%	100%	19.3%
PASD*	Sand Point	FAA	AWOS-3P	86.4%	11.1%	22.6%	18.5%	19.2%	44.6%	44.6%	71.5%
PAAK*	Atka	FAA	AWOS-3P	50.8%	50.8%	3.7%	3.6%	3.6%	3.7%	3.7%	3.7%
PAJZ*	Koliganek	FAA	AWOS-3P	46.4%	45.9%	46.4%	45.9%	45.9%	45.9%	45.9%	45.9%
PADK*	Adak	FAA	AWOS-3P	42.7%	42.6%	42.7%	42.6%	42.6%	42.6%	42.6%	42.6%
PAPH*	Port Heiden	FAA	AWOS-3P	41.3%	22.8%	22.9%	22.8%	41.1%	23%	23%	22.8%
PAKF*	False Pass	FAA	AWOS-3P	27.7%	27.3%	27.4%	27.4%	27.4%	27.3%	27.3%	27.6%
PFWS*	South Naknek	FAA	AWOS-3P	25.1%	18.7%	18.8%	18.9%	18.9%	18.7%	18.7%	24.9%
PAII*	Egegik	FAA	AWOS-3P	23.7%	23.4%	23.6%	23.4%	23.6%	23.4%	23.4%	23.6%
PAPB*	St. George	FAA	ASOS	22.8%	22.8%	22.8%	22.7%	22.7%	22.7%	22.7%	0%
PAOU*	Nelson Lagoon	FAA	AWOS-3P	22.2%	8.4%	0%	14.4%	14.4%	0%	0%	0%
PAIL*	Iliamna	FAA	ASOS	19.8%	12.8%	12.8%	12.9%	12.9%	19.6%	19.6%	12.8%
PAIG*	Igiugig	FAA	AWOS-3P	17.9%	0.1%	0.1%	17.8%	17.8%	0%	0%	0%
PASN*	St. Paul	NWS	ASOS	15.4%	11.4%	1.6%	0.7%	0.7%	3.2%	3.2%	0.6%
PAJC*	Chignik	FAA	AWOS-3P	12.5%	12.4%	12.5%	12.4%	12.4%	12.4%	12.4%	12.4%
PAMB*	Manokotak	FAA	AWOS-3P	5.7%	2.9%	5.5%	3.1%	3.1%	2.9%	2.9%	3%
PACD*	Cold Bay	NWS	ASOS	0.7%	0.5%	0.6%	0.5%	0.5%	0.6%	0.6%	0.5%
PADL*	Dillingham	FAA	AWOS-3P	0.6%	0.2%	0.4%	0.3%	0.3%	0.5%	0.5%	0.2%
PANW*	New Stuyahok	FAA	AWOS-3P	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
PAPN*	Pilot Point	FAA	AWOS-3P	0.5%	0.3%	0.4%	0.3%	0.4%	0.3%	0.3%	0.3%
PADU*	Dutch Harbor	FAA	AWOS-3P	0.2%	0.2%	0%	0%	0%	0%	0%	0%
PAPE*	Perryville	FAA	AWOS-3P	0.2%	0.1%	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%
PAKN*	King Salmon	NWS	ASOS	0%	0%	0%	0%	0%	0%	0%	0%
PATG*	Togiak	FAA	AWOS-3P	0%	0%	0%	0%	0%	0%	0%	0%

2.5.3 Current Quarter Outages



2.5.4 Four-Quarter Outage History



2.6 Western/YK Delta (Hub: Bethel (PABE))

The Western/YK Delta region has 26 stations (100% off-road).

- **Complete METAR Outages:** 18.1% average (1 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 29.7% average (0 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PACM* (100%), PFZK* (93%), PAMY* (72.5%).
Highest complete METAR outages: PACM* (100%), PPIT* (62.2%), PAHP* (43.1%).

2.6.1 Station Summary

Table 14: Western/YK Delta - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PACM*	Scammon Bay	FAA	AWOS-3P	100%	46%	100%	46.7%
PFZK*	Akiachak	FAA	AWOS-3P	0.1%	0%	93%	0.2%
PAMY*	Mekoryuk	FAA	AWOS-3P	31.6%	55.2%	72.5%	55.3%
PPIT*	Nunapitchuk	FAA	AWOS-3P	62.2%	34.2%	62.4%	36%
PAPM*	Platinum	FAA	AWOS-3P	0.1%	32.4%	52.2%	34.8%
PFKW*	Kwethluk	FAA	AWOS-3P	39%	48.8%	49.5%	53.2%
PAHP*	Hooper Bay	FAA	AWOS-3P	43.1%	100%	47.1%	100%
PAEM*	Emmonak	FAA	AWOS-3P	30.3%	0%	41.9%	0.4%
PAHX*	Shageluk	FAA	AWOS-3P	6.3%	0%	40.3%	0.9%
PADM*	Marshall	FAA	AWOS-3P	38.4%	0.1%	38.9%	24%
PAKI*	Kipnuk	FAA	AWOS-3P	32.4%	49.6%	33.1%	50.7%
PANA*	Napakiak	FAA	AWOS-3P	25.9%	0.1%	25.9%	0.2%
PAMC*	McGrath	NWS	ASOS	4.7%	0%	19.2%	0.2%
PALG*	Kalskag	FAA	AWOS-3P	17.6%	9.6%	18.1%	9.8%
PAQH*	Quinhagak	FAA	AWOS-3P	14.4%	3.2%	17.2%	3.8%
PAOO*	Toksook Bay	FAA	AWOS-3P	0.1%	100%	14.8%	100%
PFKO*	Kotlik	FAA	AWOS-3P	1%	0%	9.3%	7.7%
PAMO*	Mountain Village	FAA	AWOS-3P	7.7%	31.5%	8.1%	56%
PANV*	Anvik	FAA	AWOS-3P	6.1%	22.1%	6.6%	22.4%
PARS*	Russian Mission	FAA	AWOS-3P	0.2%	0.1%	5.6%	3.1%
PABE*	Bethel	NWS	ASOS	2.9%	0%	4.7%	2.6%
PASM*	St. Marys	FAA	AWOS-3P	0%	0.1%	4.5%	0.6%
PASL*	Sleetmute	FAA	AWOS-3P	3.6%	9.1%	3.9%	9.9%
PAVA*	Chevak	FAA	AWOS-3P	1%	1.2%	1.5%	3.3%
PANI*	Aniak	FAA	AWOS-3P	0.3%	0%	0.5%	0%
PAHC*	Holy Cross	FAA	AWOS-3P	0.4%	0.1%	0.4%	84.3%

2.6.2 Parameter-Level Missing Rates

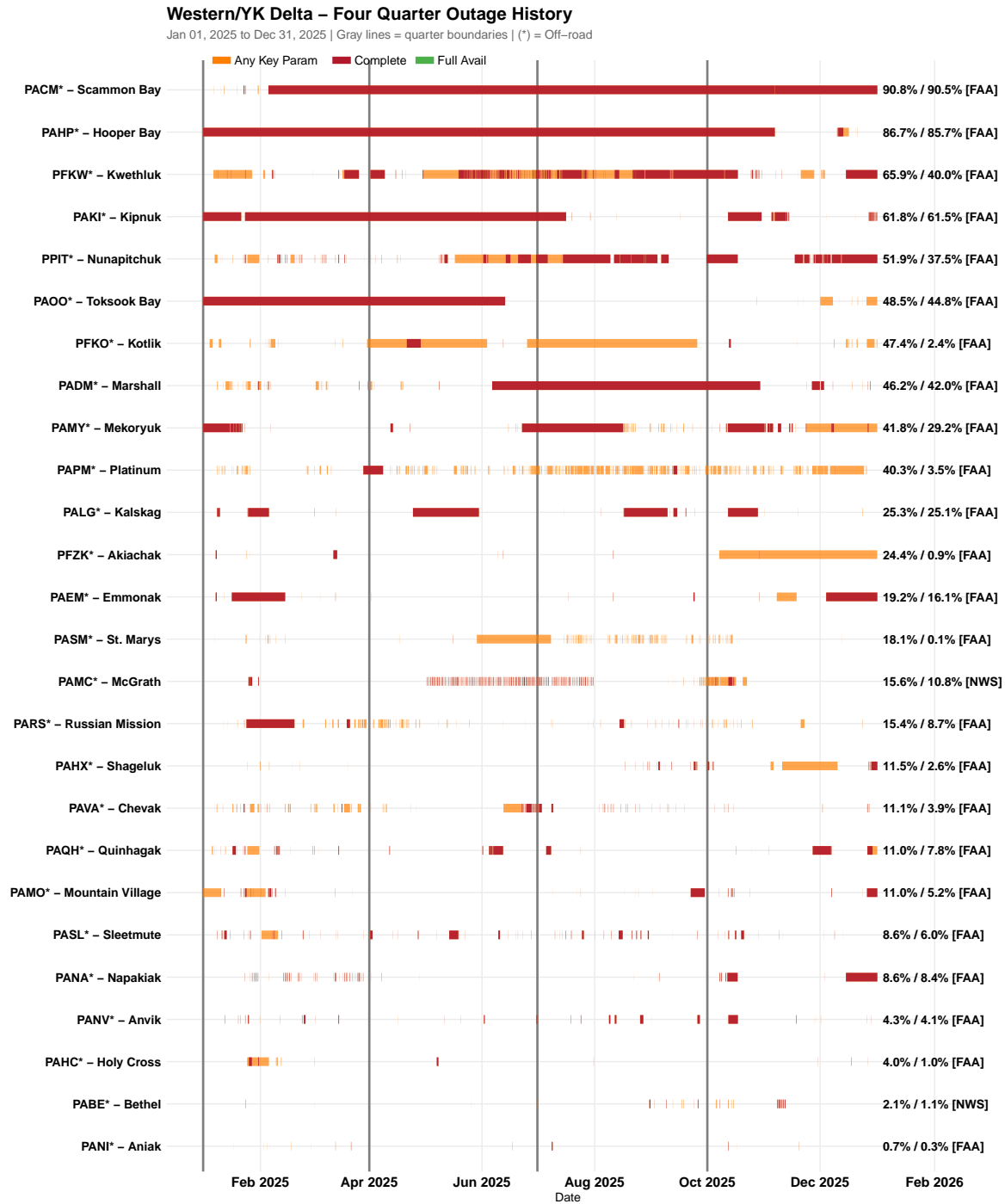
Table 15: Western/YK Delta - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PACM*	Scammon Bay	FAA	AWOS-3P	100%	100%	100%	100%	100%	100%	100%	100%
PFZK*	Akiachak	FAA	AWOS-3P	93%	0.4%	0.4%	92.8%	92.8%	0.1%	0.1%	0.1%
PAMY*	Mekoryuk	FAA	AWOS-3P	72.5%	71.3%	31.6%	31.6%	35.5%	31.6%	31.6%	31.6%
PPIT*	Nunapitchuk	FAA	AWOS-3P	62.4%	62.2%	62.4%	62.2%	62.2%	62.2%	62.2%	62.2%
PAPM*	Platinum	FAA	AWOS-3P	52.2%	17.8%	0.3%	1%	36%	0.2%	0.2%	0.2%
PFKW*	Kwethluk	FAA	AWOS-3P	49.5%	38.9%	38.9%	39.2%	39.8%	48.9%	48.9%	38.9%
PAHP*	Hooper Bay	FAA	AWOS-3P	47.1%	43.3%	43.8%	43.6%	43.6%	46.6%	46.6%	43.1%
PAEM*	Emmonak	FAA	AWOS-3P	41.9%	30.2%	30.2%	42%	42%	30.2%	30.2%	30.2%
PAHX*	Shageluk	FAA	AWOS-3P	40.3%	38.4%	38.4%	38.4%	38.4%	40.3%	40.3%	38.4%
PADM*	Marshall	FAA	AWOS-3P	38.9%	38.4%	38.5%	38.8%	38.8%	38.4%	38.4%	38.4%
PAKI*	Kipnuk	FAA	AWOS-3P	33.1%	32.9%	33.1%	32.9%	32.9%	32.9%	32.9%	32.9%
PANA*	Napakiaik	FAA	AWOS-3P	25.9%	25.9%	25.9%	25.9%	25.9%	25.9%	25.9%	25.9%
PAMC*	McGrath	NWS	ASOS	19.2%	19.1%	18.1%	18.1%	18.1%	19.1%	19.1%	4.7%
PALG*	Kalskag	FAA	AWOS-3P	18.1%	17.6%	17.6%	17.9%	18%	17.7%	17.7%	17.6%
PAQH*	Quinhagak	FAA	AWOS-3P	17.2%	14.4%	17.1%	14.4%	14.4%	14.4%	14.4%	14.4%
PAOO*	Toksook Bay	FAA	AWOS-3P	14.8%	0.1%	14.8%	0.2%	0.2%	0.4%	0.4%	0.1%
PFKO*	Kotlik	FAA	AWOS-3P	9.3%	8.8%	1.4%	1%	1%	1.4%	1.4%	1%
PAMO*	Mountain Village	FAA	AWOS-3P	8.1%	7.7%	7.9%	7.7%	7.8%	7.7%	7.7%	7.7%
PANV*	Anvik	FAA	AWOS-3P	6.6%	6.1%	6.2%	6.2%	6.5%	6.1%	6.1%	6.1%
PARS*	Russian Mission	FAA	AWOS-3P	5.6%	0.2%	0.2%	0.4%	2.6%	3.2%	3.2%	0.2%
PABE*	Bethel	NWS	ASOS	4.7%	3.1%	3.3%	2.9%	2.9%	2.9%	2.9%	4.2%
PASM*	St. Marys	FAA	AWOS-3P	4.5%	1%	1.3%	1%	4.3%	1%	1%	1%
PASL*	Sleetmute	FAA	AWOS-3P	3.9%	3.6%	3.7%	3.8%	3.8%	3.6%	3.6%	3.6%
PAVA*	Chevak	FAA	AWOS-3P	1.5%	1.4%	1.1%	1.1%	1.1%	1%	1%	1%
PANI*	Aniak	FAA	AWOS-3P	0.5%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%
PAHC*	Holy Cross	FAA	AWOS-3P	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

2.6.3 Current Quarter Outages



2.6.4 Four-Quarter Outage History



2.7 Southeast (Hub: Juneau (PAJN))

The Southeast region has 15 stations (87% off-road).

- **Complete METAR Outages:** 11.3% average (3 station(s) at 100% reporting)
- **Any Key Parameter Missing:** 15.2% average (1 station(s) at 100% complete reporting)

Highest outage rates of any key parameter: PAGN* (57.1%), PAHY* (53.1%), PAKW* (42.3%).
Highest complete METAR outages: PAHY* (53%), PAGN* (49.7%), PAGES* (20.8%).

2.7.1 Station Summary

Table 16: Southeast - Combined Outage Summary (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

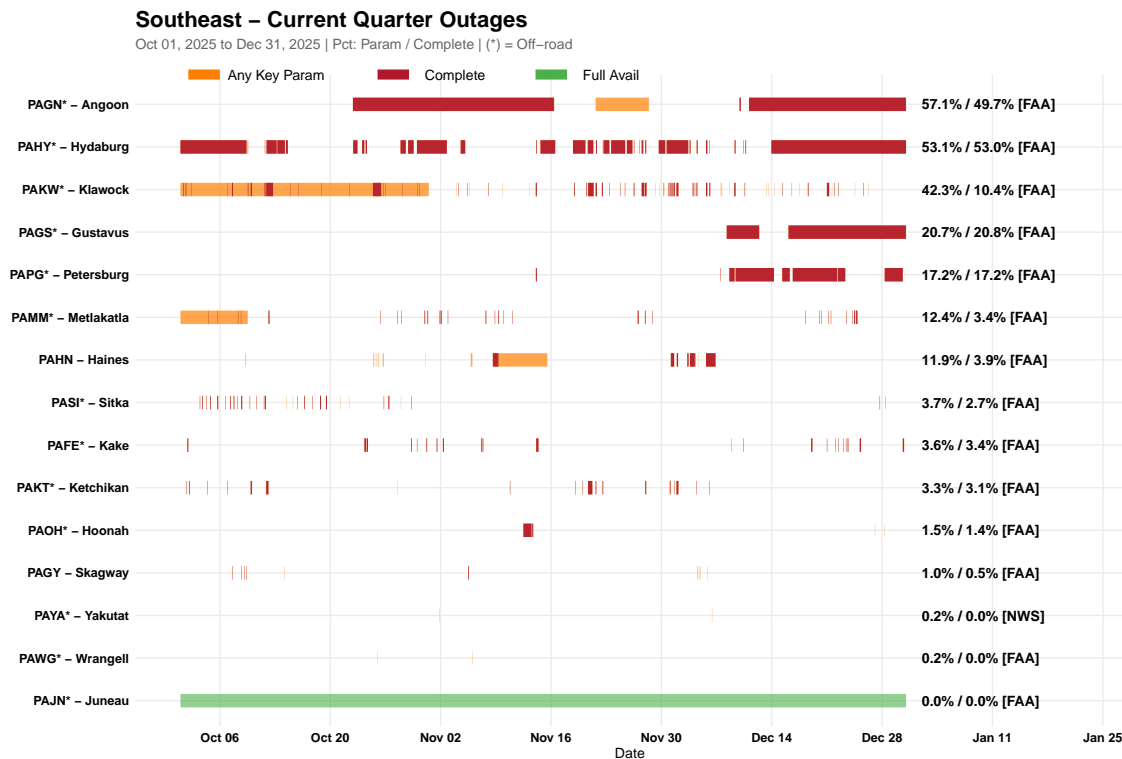
Station	Name	Agency	Type	Complete METAR Out		Any Key Param Out	
				Q4 CY2025	Q4 CY2024	Q4 CY2025	Q4 CY2024
PAGN*	Angoon	FAA	AWOS-3P	49.7%	14.2%	57.1%	28.1%
PAHY*	Hydaburg	FAA	AWOS-3P	53%	94.3%	53.1%	94.3%
PAKW*	Klawock	FAA	ASOS	10.4%	7.6%	42.3%	8.4%
PAGES*	Gustavus	FAA	AWOS-3P	20.8%	58.2%	20.7%	63.8%
PAPG*	Petersburg	FAA	AWOS-3P	17.2%	0.5%	17.2%	1%
PAMM*	Metlakatla	FAA	AWOS-3P	3.4%	16.2%	12.4%	27.6%
PAHN	Haines	FAA	ASOS	3.9%	0%	11.9%	0.1%
PASI*	Sitka	FAA	ASOS	2.7%	0%	3.7%	0.2%
PAFE*	Kake	FAA	AWOS-3P	3.4%	1.8%	3.6%	1.8%
PAKT*	Ketchikan	FAA	ASOS	3.1%	0%	3.3%	0.1%
PAOH*	Hoonah	FAA	AWOS-3P	1.4%	100%	1.5%	100%
PAGY	Skagway	FAA	ASOS	0.5%	0.2%	1%	6.2%
PAWG*	Wrangell	FAA	AWOS-3P	0%	0.5%	0.2%	35.1%
PAYA*	Yakutat	NWS	ASOS	0%	0.2%	0.2%	0.8%
PAJN*	Juneau	FAA	ASOS	0%	0%	0%	0%

2.7.2 Parameter-Level Missing Rates

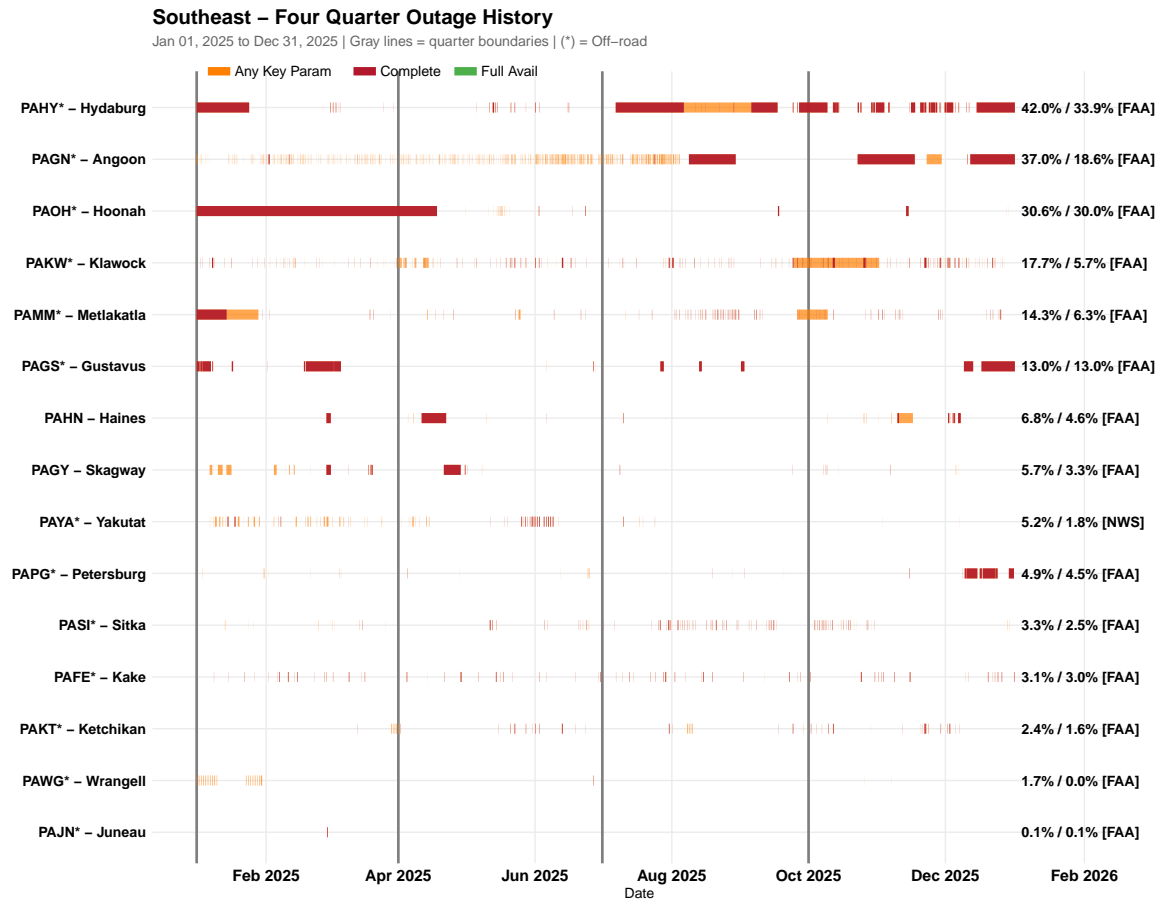
Table 17: Southeast - Per-Parameter Missing Rates (Oct 01, 2025 to Dec 31, 2025). (*) = Off-road.

Station	Name	Agency	Type	Any	Vis	Ceil	Temp	Dwpt	WndS	WndD	Alti
PAGN*	Angoon	FAA	AWOS-3P	57.1%	57%	49.7%	49.6%	49.6%	49.6%	49.6%	49.6%
PAHY*	Hydaburg	FAA	AWOS-3P	53.1%	53.1%	53%	53.1%	53.1%	53%	53%	53%
PAKW*	Klawock	FAA	ASOS	42.3%	23.8%	24%	23.9%	23.9%	41.9%	41.9%	10.4%
PAGS*	Gustavus	FAA	AWOS-3P	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%	20.7%
PAPG*	Petersburg	FAA	AWOS-3P	17.2%	17.2%	17.2%	17.2%	17.2%	17.2%	17.2%	17.2%
PAMM*	Metlakatla	FAA	AWOS-3P	12.4%	12.4%	3.4%	3.5%	3.5%	3.4%	3.4%	3.4%
PAHN	Haines	FAA	ASOS	11.9%	11.7%	3.9%	3.9%	3.9%	4%	4%	3.9%
PASI*	Sitka	FAA	ASOS	3.7%	2.7%	2.8%	3.5%	3.5%	2.8%	2.8%	2.7%
PAFE*	Take	FAA	AWOS-3P	3.6%	3.4%	3.4%	3.6%	3.6%	3.4%	3.4%	3.4%
PAKT*	Ketchikan	FAA	ASOS	3.3%	3.1%	3.1%	3.2%	3.2%	3.2%	3.2%	3.1%
PAOH*	Hoonah	FAA	AWOS-3P	1.5%	1.4%	1.4%	1.4%	1.4%	1.5%	1.5%	1.4%
PAGY	Skagway	FAA	ASOS	1%	0.5%	0.5%	0.5%	0.5%	1%	1%	0.5%
PAWG*	Wrangell	FAA	AWOS-3P	0.2%	0%	0%	0%	0%	0.2%	0.2%	0%
PAYA*	Yakutat	NWS	ASOS	0.2%	0%	0%	0%	0%	0.2%	0.2%	0%
PAJN*	Juneau	FAA	ASOS	0%	0%	0%	0%	0%	0%	0%	0%

2.7.3 Current Quarter Outages



2.7.4 Four-Quarter Outage History



3 Methodology

3.1 Data Source

METAR data from Iowa Environmental Mesonet (IEM) for Alaska ASOS/AWOS stations operated by NWS and FAA.

3.2 Outage Definitions

- **Complete METAR Outage:** 2+ consecutive hours with no METAR observation published
- **Parameter-Level Outage:** 2+ consecutive hours missing any key operational parameter

3.3 Key Parameters Tracked

Abbrev	Parameter	Notes
Vis	Visibility	Required for IFR/VFR determination
Sky	Sky Condition	Cloud cover type (CLR/FEW/SCT/BKN/OVC)
Ceil	Ceiling Height	Lowest broken/overcast layer (NA OK if clear)
Temp	Temperature	Required for density altitude
Dwpt	Dewpoint	Fog/icing risk (NA OK if temp \leq -30F)
WndS	Wind Speed	Crosswind/gust limits
WndD	Wind Direction	Runway selection (NA OK if calm)
Alti	Altimeter Setting	Altitude reference

3.4 Context-Aware Missing Logic

- **Ceiling:** Not considered missing if sky condition is CLR, SKC, FEW, or SCT
- **Wind Direction:** Not considered missing if wind speed is 0-6 knots (calm)
- **Dewpoint:** Not considered missing if temperature is below -30F

3.5 Report Periods

Period	Date Range
Current Quarter	Oct 01, 2025 to Dec 31, 2025
Prior Year Quarter	Oct 01, 2024 to Dec 31, 2024
Current 365-Day	Jan 01, 2025 to Dec 31, 2025
Prior Year 365-Day	Jan 01, 2024 to Dec 31, 2024

Period	Date Range
Four-Quarter History	Jan 01, 2025 to Dec 31, 2025

3.6 Gantt Chart Color Scheme

Color	Meaning
Dark Red	Complete METAR outage (no observation published in 2h+ span)
Orange	Parameter-only outage (METAR published but at least one key param missing in 2h+ span)
Green	Full availability (all parameters present)

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