
How To View Real-Time Precipitation Information Across Southeast Alaska: Meso-West demonstration

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What is MesoWest

<https://mesowest.utah.edu/>

- *MesoWest has been designed for use by National Weather Service meteorologists and other professionals.*
- *The purpose of this site is to provide quick access to current data for a desired location.*

How To Access MesoWest Data For Southeast Alaska

<https://mesowest.utah.edu/>

Station Search [Help](#)
Address

QUICK LINKS
Find a Nearby Station
What's New
Current Status
Help
Data API Services
Department of Atmospheric Sciences

Login to My MesoWest
Login:
Password:

[Create a User](#)

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MESO WEST THE UNIVERSITY OF UTAH

States
Click on a State to access weather observations

States CWAs Text Only

Observations and Summaries

Region: UTAH Product: Surface Weather Maps

1: Select
Alaska

How To Access MesoWest Data For Southeast Alaska

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The screenshot shows the MesoWest website interface. At the top, there is a navigation bar with "MesoWest Region ALASKA" and "Product Surface Weather Maps". Below this is a search bar and a "Map Product: Default" dropdown. The main content area features a map of Southeast Alaska with several data points marked with numbers (39, 40, 41, 43, 45, 46). A control panel on the left side of the map is highlighted with a black box and numbered 1 through 4. The control panel includes a "Region/Zone" dropdown menu (set to "ALASKA"), a "Radius" input field, a "Network:" dropdown menu (set to "NWS"), a "Refresh Map" button, and other options like "Overlay 1: Current Temp", "Overlay 2: -- None --", "Highlight Data" checkbox, "Other Features" section with "Time Options", and "Select Language" dropdown. The map itself shows a topographic view of the region with various weather stations marked. A status bar at the bottom of the map indicates "Most recent observation within 1 hr ending at 19:25 UTC 5/5/2019".

Region/Zone Radius
ALASKA

Network: NWS

Refresh Map

Overlay 1: Current Temp
Overlay 2: -- None --
 Highlight Data

Other Features
Time Options

Select Language
Powered by Google Translate

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- 2: Under Region/Zone Select find AK-Juneau CWA from the dropdown list.
- 3: Under Network Select "All Networks"
- 4: Select "Refresh Map"

Powered by MesoWest

Powered by Leaflet — © Mapbox © OpenStreetMap Improve this map

Questions? Contact MesoWest

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MesoWest Region: ALASKA Product: Surface Weather Maps Go

Hide Menu | Search | Map Product: Default | Change

Region/Zone: Radius
AK - Juneau CWA

Network: All Networks
Units: English

Refresh Map

Display
Overlay 1: Current Temp
Overlay 2: -- None --
 Highlight Data

Other Features
Time Options

Select Language
Powered by Google Translate

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Most recent observation within 1 hr ending at 19:41 UTC

Current Station Observations
Sitka - Sitka Airp
Observation Time: 05/05/19 @ 11:30 AKD 19:30 UTC Elevation: 13 ft

Weather Conditions		24 Hour Max/Min Events	
Temperature:	46 °F	Max Temperature:	46 °F
Dew Point:	43 °F	Min Temperature:	43 °F
Humidity:	87 %	Max RH:	100 %
Wind:	WSW at 8 MPH	Min RH:	87.09 %
		Max Dew Point:	45 °F
		Min Dew Point:	41 °F
		Max Gust:	17 MPH

View: Temp Wet Bulb Wind Vector Wind Wind Rose Pressure Precip Snow Solar

Help

Sitka - Sitka Airport (PASI)

0.00m Precipitation 1hr (green dots) | Precipitation Accumulated Over Period Shown (blue line)

Time (AKD)	Precipitation 1hr (in)	Period Accumulated Precipitation (in)
12:00	0.00	0.00
15:00	0.01	0.01
18:00	0.02	0.03
21:00	0.03	0.06
00:00	0.04	0.10
03:00	0.05	0.15
06:00	0.06	0.20
09:00	0.07	0.25

Change to Local Time | Additional Tabular and Graphical Displays | Download Data

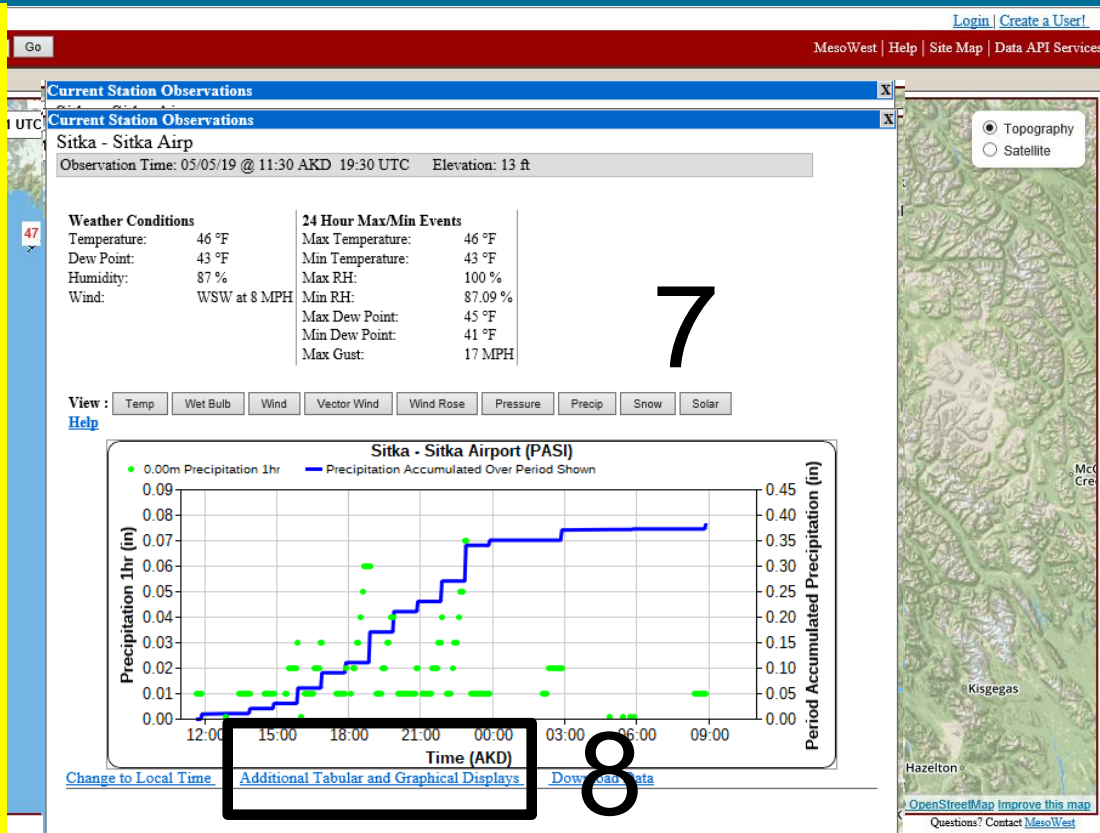
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- 5: Hover your cursor over a site (black dot) to get current basic weather info (Time, Wind, Temp, Dew point, RH)
- 6: Left click on site to get 24hr time series
- 7: Select Precip to get 24hr rainfall
- 8: To get “additional Tabular & Graphical Display



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MESO WEST
Region Product

STATION INFO

ID: PASI
NAME: Sitka - Sitka Airport
LATITUDE: 57.04800
LONGITUDE: -135.36470
ELEVATION: 13 ft
MNET: NWS/FAA
LAND COVER: Avail for
CONUS stns only
DATA COURTESY OF:
[National Weather Service](#)

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Weather Conditions for PASI

Current Time: 05/05/2019 11:55 AKD
Most Recent Weather Conditions at: 05/05/2019 11:45 AKD

Graphical Links	11:45	Max Since 0:00 (AKD)	Min Since 0:00 (AKD)	24 Hour Maximum	24 Hour Minimum
2.0m Temperature	46.4° F	46.4 at 11:45	44.1 at 4:53	46.4 at 11:45	42.8 at 19:50
2.0m Dew Point	42.8° F	45.0 at 1:49	42.8 at 11:45	45.0 at 1:49	41.0 at 20:55
2.0m Wet bulb temperature	44.6° F	45.5 at 10:25	43.7 at 9:25	45.5 at 10:25	42.0 at 19:50
2.0m Relative Humidity	87%	100 at 9:45	87 at 11:45	100 at 9:45	87 at 11:45
10.0m Wind Speed	6.9 mph	11.5 at 4:10	0.0 at 10:00	15.0 at 20:05	0.0 at 10:00
10.0m Wind Direction	SW	-	-	-	-
Pressure	30.07 in	30.07 at 11:45	29.99 at 4:00	30.12 at 12:35	29.98 at 23:40
Altimeter	30.08 in	30.08 at 11:45	30.00 at 4:00	30.13 at 12:35	29.99 at 23:40
Weather conditions	Mostly Cloudy	-	-	-	-
Visibility	10.00 miles	10.00 at 11:45	3.00 at 9:20	10.00 at 11:45	1.50 at 22:55
Ceiling	2600 feet	4300 at 0:55	800 at 1:55	4300 at 0:55	700 at 23:35

* The maxima/minima values above are calculated from the available observations and may not be official. More information is [available here](#).

ASOS/AWOS Station Summary (Help)	Last Reported	Max/Min Values Last 24 Hours
Station 6 Hr High Temperature	46.0° F (9:53 AKD 05/05)	46.0° F (9:53 AKD 05/05)
Station 6 Hr Low Temperature	44.1° F (9:53 AKD 05/05)	43.0° F (21:53 AKD 05/04)
Station 24 Hr High Temperature	46.0° F (0:53 AKD 05/05)	-
Station 24 Hr Low Temperature	42.1° F (0:53 AKD 05/05)	-
Station Peak Wind Speed	-	17.3 mph (23:30 AKD 05/04)

** The report times listed are when the value was reported by the station, not necessarily the time the value was actually measured.

Estimated Accumulated Precipitation	Since 0:00 (AKD)	24 Hours
Precipitation 1hr	0.03 in	0.38 in
Precipitation 6hr	0.11 in	0.38 in

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MESO WEST Region Alaska GCA Product Surface Weather Maps Go

- 9: Change Date/Time and Change to Graphical Display

Weather Conditions for PASI

9 11:55 AKD
 r Conditions at: 05/05/2019 11:45 AKD

	11:45	Max Since 0:00 (AKD)	Min Since 0:00 (AKD)	24 Hour Maximum	24 Hour Minimum
Air Temperature	46.4° F	46.4 at 11:45	44.1 at 4:53	46.4 at 11:45	42.8 at 19:50
Dew Point Temperature	42.8° F	45.0 at 1:49	42.8 at 11:45	45.0 at 1:49	41.0 at 20:55
Surface Temperature	44.6° F	45.5 at 10:25	43.7 at 9:25	45.5 at 10:25	42.0 at 19:50
Relative Humidity	87%	100 at 9:45	87 at 11:45	100 at 9:45	87 at 11:45
Wind Speed	6.9 mph	11.5 at 4:10	0.0 at 10:00	15.0 at 20:05	0.0 at 10:00
Wind Direction	SW	-	-	-	-
Snow Depth	30.07 in	30.07 at 11:45	29.99 at 4:00	30.12 at 12:35	29.98 at 23:40
Ice Depth	30.08 in	30.08 at 11:45	30.00 at 4:00	30.13 at 12:35	29.99 at 23:40
Clouds	Mostly Cloudy	-	-	-	-
Visibility	10.00 miles	10.00 at 11:45	3.00 at 9:20	10.00 at 11:45	1.50 at 22:55
Ceiling	2600 feet	4300 at 0:55	800 at 1:55	4300 at 0:55	700 at 23:35

* The maxima/minima values above are calculated from the available observations and may not be official. More information is [available here](#).

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Station 24 Hr High Temperature	46.0° F (0:53 AKD 05/05)	-
Station 24 Hr Low Temperature	42.1° F (0:53 AKD 05/05)	-
Station Peak Wind Speed	-	17.3 mph (23:30 AKD 05/04)

** The report times listed are when the value was reported by the station, not necessarily the time the value was actually measured.

Estimated Accumulated Precipitation	Since 0:00 (AKD)	24 Hours
Precipitation 1hr	0.03 in	0.38 in
Precipitation 6hr	0.11 in	0.38 in

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- 9: Change Date/Time and Change to Graphical Display

Region Alaska GCA Product Surface Weather Maps Go

STATION INFO: PAKT Past Data

MesoWest acquired this station on August 14, 2002
MesoWest last received data from this station on May 5, 2019
Data are not available outside this date range

Station ID: PAKT
Units in: English
Time: Local
Date: 5 May 2019
Hour: 12:00

submit Takes 5-15 seconds to process

* The maxima/minima values

ASOS/AWOS Station Summary	Since 0:00 (AKD)	24 Hours
Station 6 Hr High Temperature	0.03 in	0.38 in
Station 6 Hr Low Temperature	0.11 in	0.38 in
Station 24 Hr High Temperature		
Station 24 Hr Low Temperature		
Station Peak Wind Speed	17.5 mph (25.50 AKD U3/U4)	

** The report times listed are when the value was reported by the station, not necessarily the time the value was actually measured.

Estimated Accumulated Precipitation

Estimated Accumulated Precipitation	Since 0:00 (AKD)	24 Hours
Precipitation 1hr	0.03 in	0.38 in
Precipitation 6hr	0.11 in	0.38 in

Change to Weather Map
Change to Graphical Display
Change to Metric Units
Change to UTC Time
Change Date/Time
Order Table by Height

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- 9: Change Date/Time and Change to Graphical Display

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Region: Alaska GCA

STATION INFO

ID: PAKT
NAME: Ketchikan International Airport
LATITUDE: 55.35556
LONGITUDE: -131.71361
ELEVATION: 89 ft
MNET: NWS/FAA
LAND COVER: Avail for CONUS stns only
DATA COURTESY OF: National Weather Service

11:55 AKD

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Visibility

Ceiling

* The maxima/minima

ASOS/AWOS Station

Station 6 Hr High Temperature

Station 6 Hr Low Temperature

Station 24 Hr High Temperature

Station 24 Hr Low Temperature

Station Peak Wind Speed

** The report times listed are for the current report.

Change to Weather Map

Change to Graphical Display

Change to Metric Units

Change to UTC Time

Change Date/Time

Order Table by Height

Download Data

ORIGINAL PRODUCTS

Original Tabular Display

Original Graphical Display

MORE INFO

Help

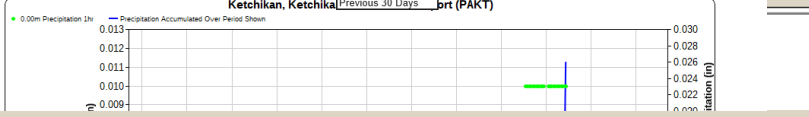
<https://mesowest.utah.edu/>

MesoWest Graphical Interface Display

Primary Parameters: Chart Size: Medium Time Period: Previous 12 Hours Previous 1 Day Previous 2 Days Previous 5 Days Previous 7 Days Previous 14 Days Previous 30 Days

Plot #1 Station ID: PAKT Variable(s): Precipitation 1hr Sensor Options: 0.00m All Change Graph

Ketchikan, Ketchikan International Airport (PAKT)

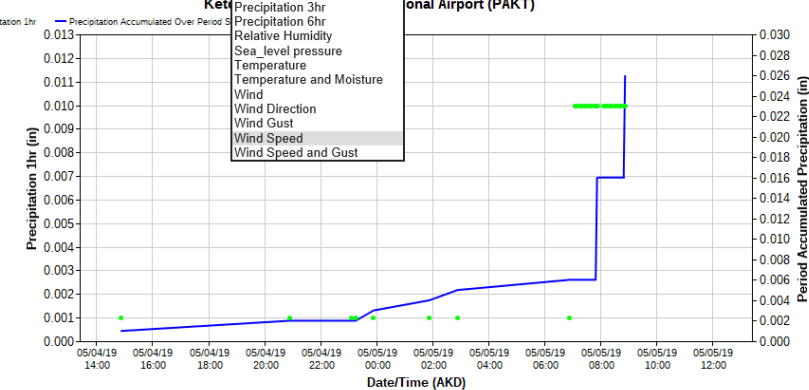


MesoWest Graphical Interface Display

Primary Parameters: Chart Size: Medium Time Period: Day

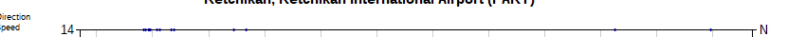
Plot #1 Station ID: PAKT Variable(s): Precipitation 1hr Sensor Options: 0.00m All Change Graph

Ketchikan, Ketchikan International Airport (PAKT)



Plot #2 Station ID: PAKT Variable(s): Wind Sensor Options: 10.0m All Change Graph

Ketchikan, Ketchikan International Airport (PAKT)



Estimated Accumulated Precipitation	Since 0:00 (AKD)	24 Hours
Precipitation 1hr	0.03 in	0.38 in
Precipitation 6hr	0.11 in	0.38 in

How To Access MesoWest Data For Southeast Alaska

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The screenshot displays the MesoWest website interface. On the left, a dropdown menu is open, listing various regions and their corresponding CWA and FWZ codes. The 'AK - Juneau CWA' option is highlighted. The main content area shows a map of Southeast Alaska with numerous weather data points overlaid, each labeled with a number (e.g., 45, 46, 47, 48, 49, 50, 51, 52). A text box on the map indicates 'observation within 1 hr ending at 20:18 UTC 5/5/2019'. The website header includes navigation links and a search bar. The footer mentions 'powered by Google Translate'.

AL - Birmingham CWA
AL - Birmingham FWZ
AL - Huntsville CWA
AL - Mobile/Pensacola CWA
AL - Mobile/Pensacola FWZ
ALASKA
AK - Anchorage CWA
AK - Anchorage FWZ
AK - Fairbanks CWA
AK - Fairbanks FWZ
AK - Juneau CWA
AK - Juneau FWZ
ARIZONA
AZ - Flagstaff CWA
AZ - Flagstaff FWZ
AZ - Phoenix CWA
AZ - Phoenix FWZ
AZ - Tucson CWA
AZ - Tucson FWZ
ARKANSAS
AR - Little Rock CWA
AR - Little Rock FWZ
CALIFORNIA
CA - Eureka CWA
CA - Eureka FWZ
CA - Los Angeles/Oxnard CWA
CA - Los Angeles/Oxnard FWZ
CA - Sacramento CWA
CA - Sacramento FWZ
CA - San Diego CWA

MesoWest Database - PAJN Pa... real time weather observations...
Surface Display MesoWest Surface Weath... NESDIS 1-Hour QPE NSWLI USGS Current Conditions ...
Product Surface Weather Maps Go
observation within 1 hr ending at 20:18 UTC 5/5/2019
Tulsequah
Juneau
Sitka
Petersburg
45 46 47 48 49 50 51 52

MESO WEST Region
Hide Menu | Search |
Data Selection
Region/Zone Radius
AK - Juneau CWA
Network: All Networks
Units: English
Refresh Ma
Display
Overlay 1: Current Temp
Overlay 2: -- None --
 Highlight Data
Other Features
Time Options
Select Language
powered by Google Translate

How To Access MesoWest Data For Southeast Alaska

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The screenshot displays the MesoWest website interface. At the top, the logo "MESO WEST" is visible, followed by a "Region" dropdown menu set to "AK - Juneau CWA" and a "Product" dropdown menu set to "Surface Weather Maps". A "Go" button is located to the right of the "Product" menu. Below the navigation bar, there are links for "Hide Menu", "Search", and "Map Product: Default" with a "Change" button. The main content area is divided into several sections:

- Data Selection:** Includes "Region/Zone" and "Radius" dropdown menus, both set to "AK - Juneau CWA". Below this are "Network: All Networks" and "Units: English" dropdown menus, and a "Refresh Map" button.
- Display:** Includes "Overlay 1: Current Temp" and "Overlay 2: -- None --" dropdown menus, and a checked "Highlight Data" checkbox.
- Other Features:** Includes a "Select Language" dropdown menu and a note "Powered by Google Translate".

The central part of the interface is a map of Southeast Alaska. A tooltip for "Most recent observat" is visible over a data point. A dropdown menu is open over the "Product" menu, listing various data products: "Surface Weather Maps", "Current Weather Summary", "Hourly Trend Monitor", "24-Hour Trend Monitor", "Fire Weather Monitor", "5 Day Mx/Mn Temperature", "5 Day Mx/Mn RH", "5 Day Mx/Mn Speed", "5 Day Mx/Mn Gust", "Precipitation Monitor", and "Precipitation Summary". The map shows numerous data points with numerical values (e.g., 45, 46, 47, 48, 49, 50, 51, 52) and a date stamp "UTC 5/5/2019".

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The screenshot displays the MesoWest website interface. At the top, the logo "MESO WEST" is visible, followed by a dropdown menu for "Region" set to "AK - Juneau CWA" and a "Product" dropdown menu. A "Go" button is highlighted with a red box. Below the navigation bar, there are options for "Hide Menu", "Search", and "Map Product: Default".

The "Data Selection" panel on the left includes a "Region/Zone" dropdown set to "AK - Juneau CWA" and a "Radius" dropdown. Under "Network:", there is a dropdown set to "All Networks". Under "Units:", there is a dropdown set to "English" and a "Refresh Map" button.

The "Display" panel includes "Overlay 1:" set to "Current Temp" and "Overlay 2:" set to "-- None --". A checkbox for "Highlight Data" is checked.

The "Other Features" panel includes a "Select Language" dropdown and a note "Powered by Google Translate".

The main map area shows a topographic map of Southeast Alaska with numerous weather data points marked by black dots and labeled with numbers (e.g., 45, 46, 47, 48, 49, 50, 51, 52). A "Most recent observat" label is visible near the top of the map. A dropdown menu is open over the map, listing various data products: "Surface Weather Maps", "Current Weather Summary", "Hourly Trend Monitor", "24-Hour Trend Monitor", "Fire Weather Monitor", "5 Day Mx/Mn Temperature", "5 Day Mx/Mn RH", "5 Day Mx/Mn Speed", "5 Day Mx/Mn Gust", "Precipitation Monitor" (highlighted with a black box), and "Precipitation Summary".

The map also shows a date stamp "UTC 5/5/2019" and a location label "Peters".

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Precipitation Monitor for AK - Juneau CWA

Location: AK - Juneau CWA | Network: All Networks | Date: May 2019 | Hour(UTC): 21:00

Units: English | Refresh

Station	Info	Time	1 HR	3 HR	6 HR	12 HR	24 HR	Since Midnight	Since 1300L
ALEA2	HADS 65 ft	2030Z 12:30AKD	0	0	0	0	0.10	0	m
ALSEK RIVER AT DRY BAY NEAR YA									
DHWA2	RAWS 2190 ft	2125Z 13:25AKD	0	0	0	0	0	0	0
DECEPTION HILLS									
DBWA2	RAWS 29 ft	2123Z 13:23AKD	0	0	0	0	0	0	0
DRY BAY									
LBWA2	RAWS 12 ft	2123Z 13:23AKD	0	0	0.01	0.02	0.03	0.02	0
LITUYA BAY									
SRYA2	HADS 124 ft	2130Z 13:30AKD	0	0	0	0	0.29	0	0
SITUK RIVER NEAR YAKUTAT 9ENE									
YUTA2	CRN 19 ft	2100Z 13:00AKD	0	0	0	0	0.03	0	m
USCRN SITE AT TONGASS NATIONAL									
PAYA Yakutat	NWS/FAA 36 ft	2132Z 13:32AKD	0	0	0	0	0.06	0	m
MAXIMUM	-	-	0	0	0.01	0.02	0.29	0.02	0
ZONE AVERAGE	-	-	0	0	0.00	0.00	0.07	0.00	0
MINIMUM	-	-	0	0	0	0	0	0	0

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MESO WEST Region: AK - Juneau CWA Product: Precipitation Summary Go

Precipitation Summary for AK - Juneau CWA

Location: AK - Juneau CWA Network: NWS Date: Current May 2019 Hour(UTC): 22:00
 Valid 4/5/2019 22:00 through 5/5/2019 22:00

Sort by elevation Help

Station	Info	in the past:					Days since daily total of:				
		2 days	5 days	7 days	10 days	30 days	0.01"	0.10"	0.25"	0.50"	1.00"
AK017: Cape Fairweather to Cape Sucklin											
PAYA Yakutat	NWS/FAA 36 ft ft	0.10	0.45	0.45	0.45	6.58	1	1	2	13	48
AK018: Taiya Inlet and Klondike Highway											
PAGY Skagway	NWS/FAA 21 ft ft	0.01	0.01	0.01	0.01	1.47	11	13	17	48	147
AK019: Haines Borough and Lynn Canal											
PAHN Haines - Haines Airp	NWS/FAA 49 ft ft	0.01	0.01	0.01	0.02	4.03	9	12	12	13	13
AK020: Glacier Bay											
PAGS Gustavus Airport	NWS/FAA 33 ft ft	0.32	0.59	0.59	0.81	3.16	1	1	1	16	124
AK021: Eastern Chichagof Island											
PAOH Hoonah - Hoonah Seap	NWS/FAA 24 ft ft	0.36	0.37	0.37	0.73	3.54	1	1	9	13	49

- Thank you for your time.
- Are there any questions?

Contact information:

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