

**NATIONAL WEATHER SERVICE**  
**ALASKA REGION**  
**REGIONAL OPERATIONS CENTER**

**Arctic Transit Situational Awareness**  
**Weather Briefing**

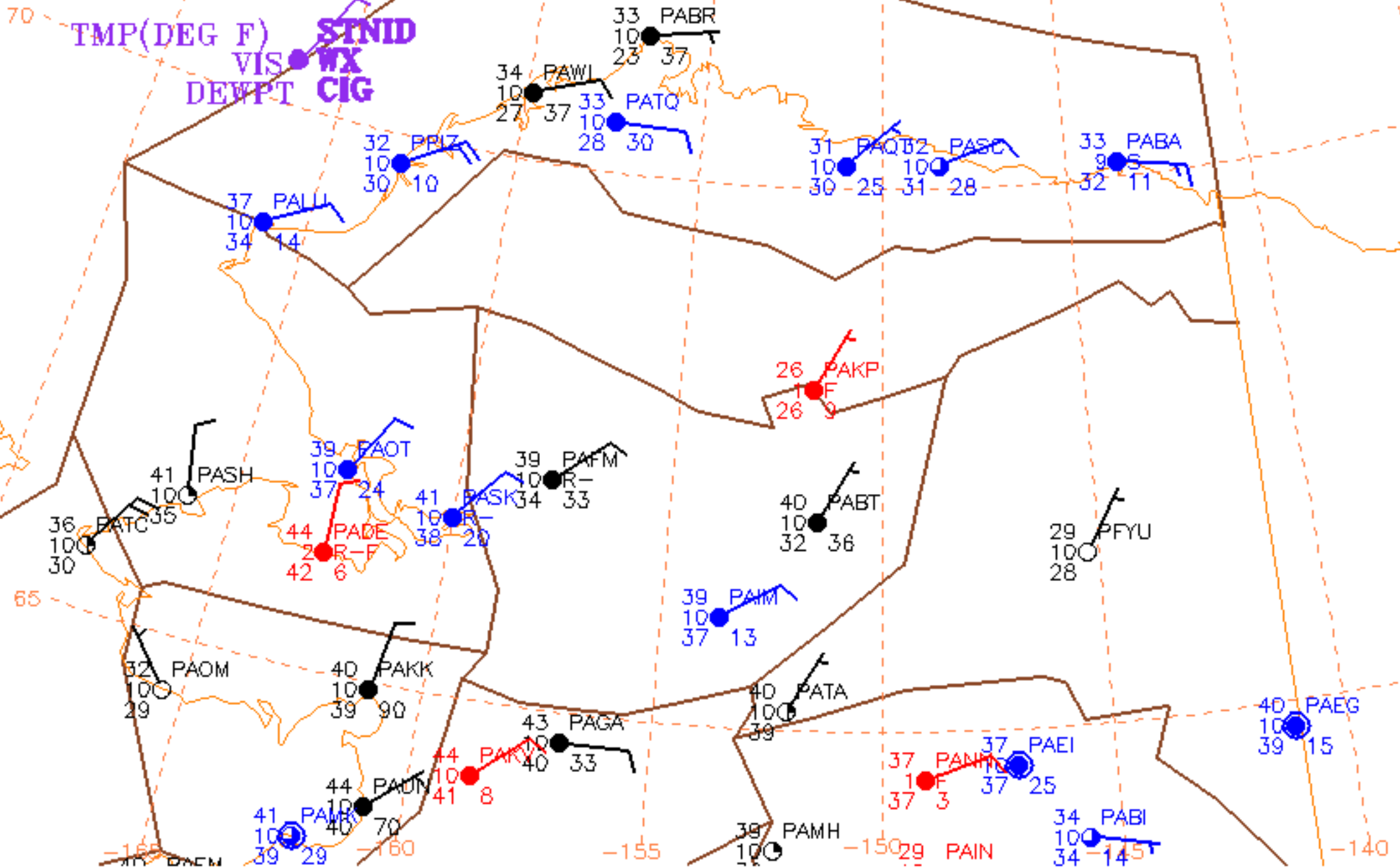
Today and Tomorrow

Created: Thu Sep 21 2017 14:56Z



The following slides were assembled through automation.  
Please check the valid dates and times to ensure that they are current.



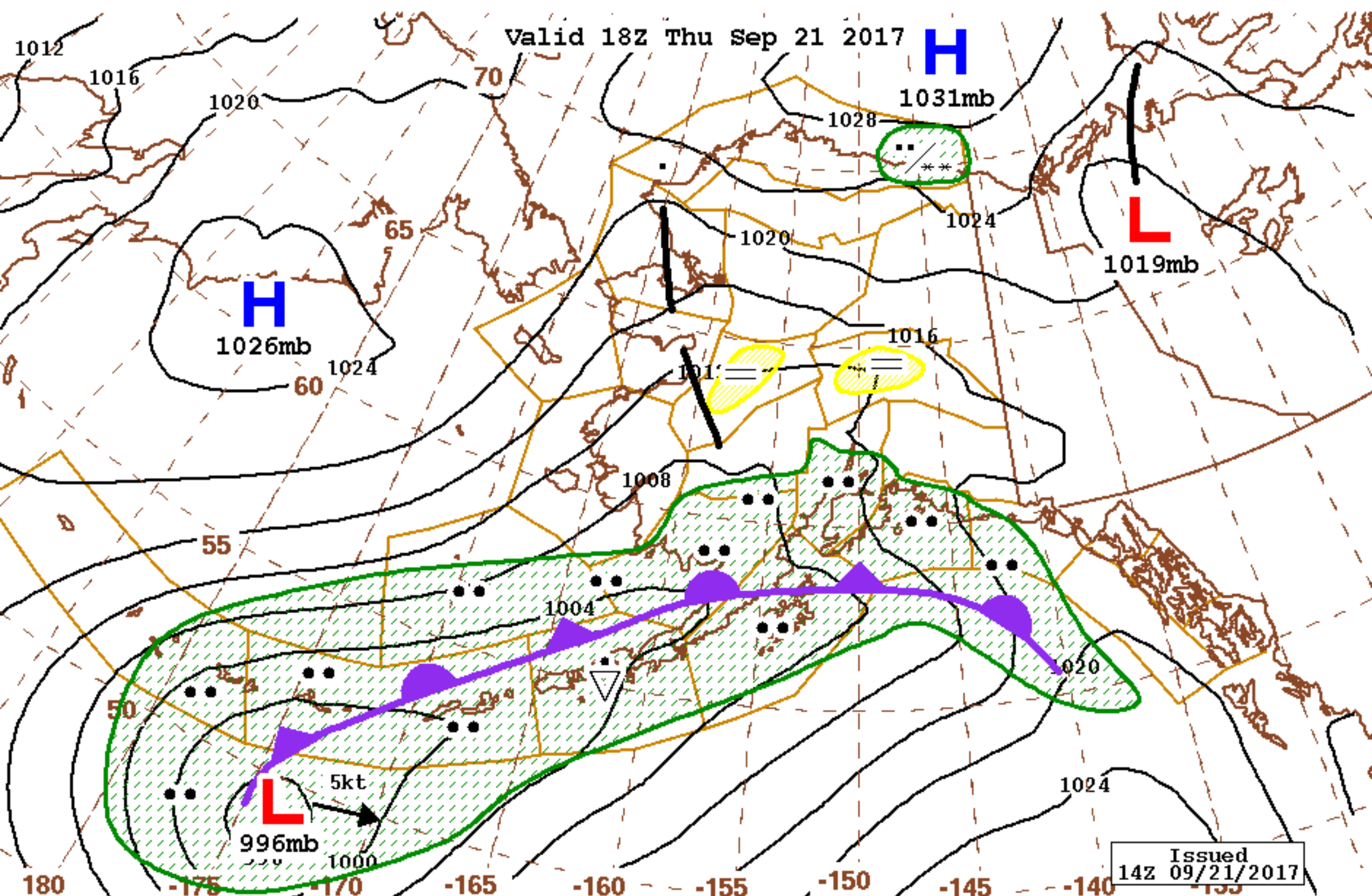


SURFACE OBSERVATIONS - VALID 14Z Thu 09/21/2017

Red=IFR  
 Blue=MVFR  
 Black=VFR

Valid 18Z Thu Sep 21 2017

H



Issued 14Z 09/21/2017



NOAA - NWS

Alaska Aviation Weather Unit

SURFACE CHART



PRECIPITATION



FOG



SCATTERED THUNDERSTORMS



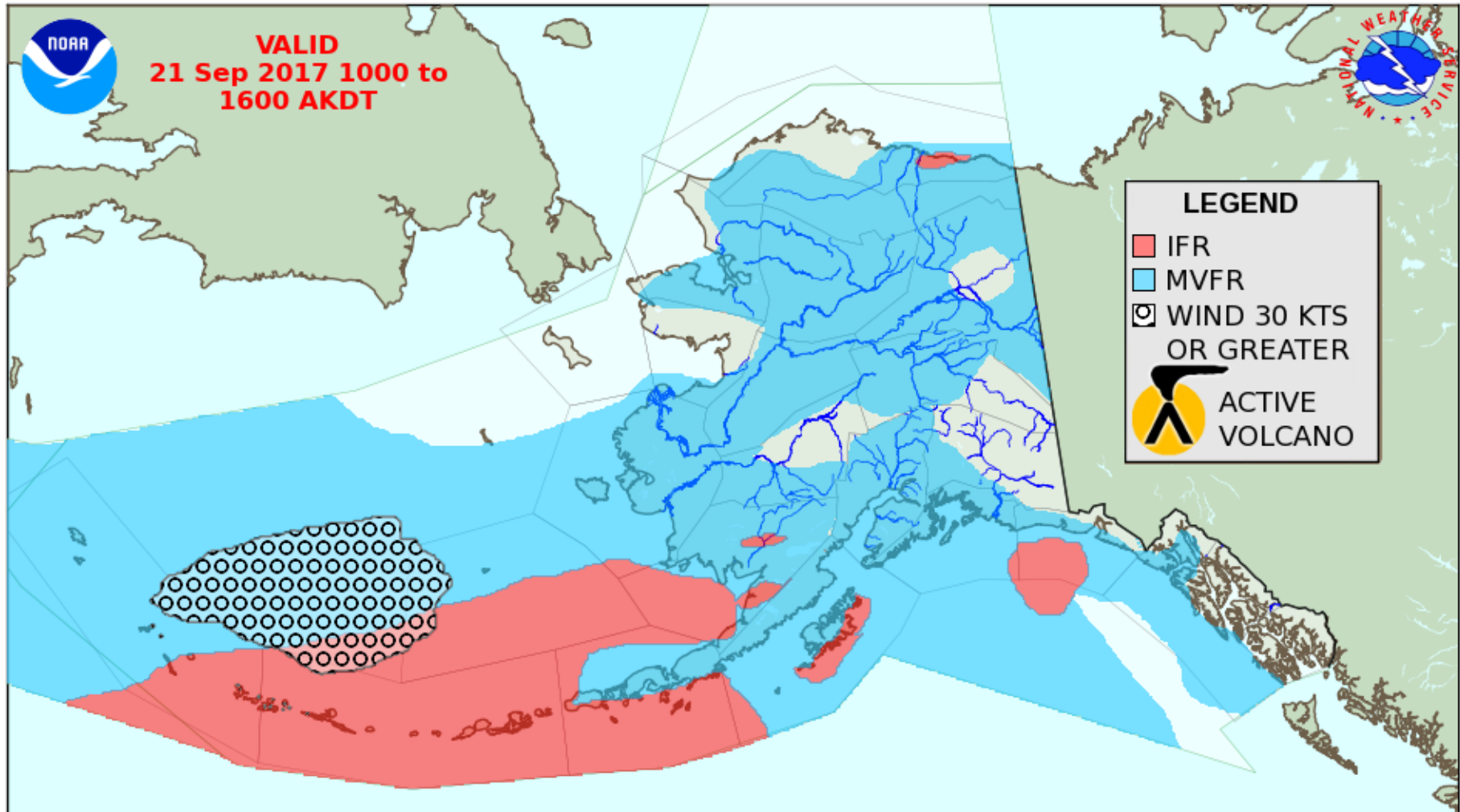


**VALID**  
**21 Sep 2017 1000 to**  
**1600 AKDT**



**LEGEND**

- IFR
- MVFR
- WIND 30 KTS OR GREATER
- ACTIVE VOLCANO



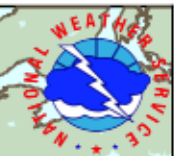
**VALID**  
**21 Sep 2017 1800 to**  
**22 Sep 2017 0000 UTC**

**FLYING WEATHER**  
**NOAA - NWS ALASKA AVIATION WEATHER UNIT**

**ISSUED**  
**21 Sep 2017**  
**05 AM AKDT**

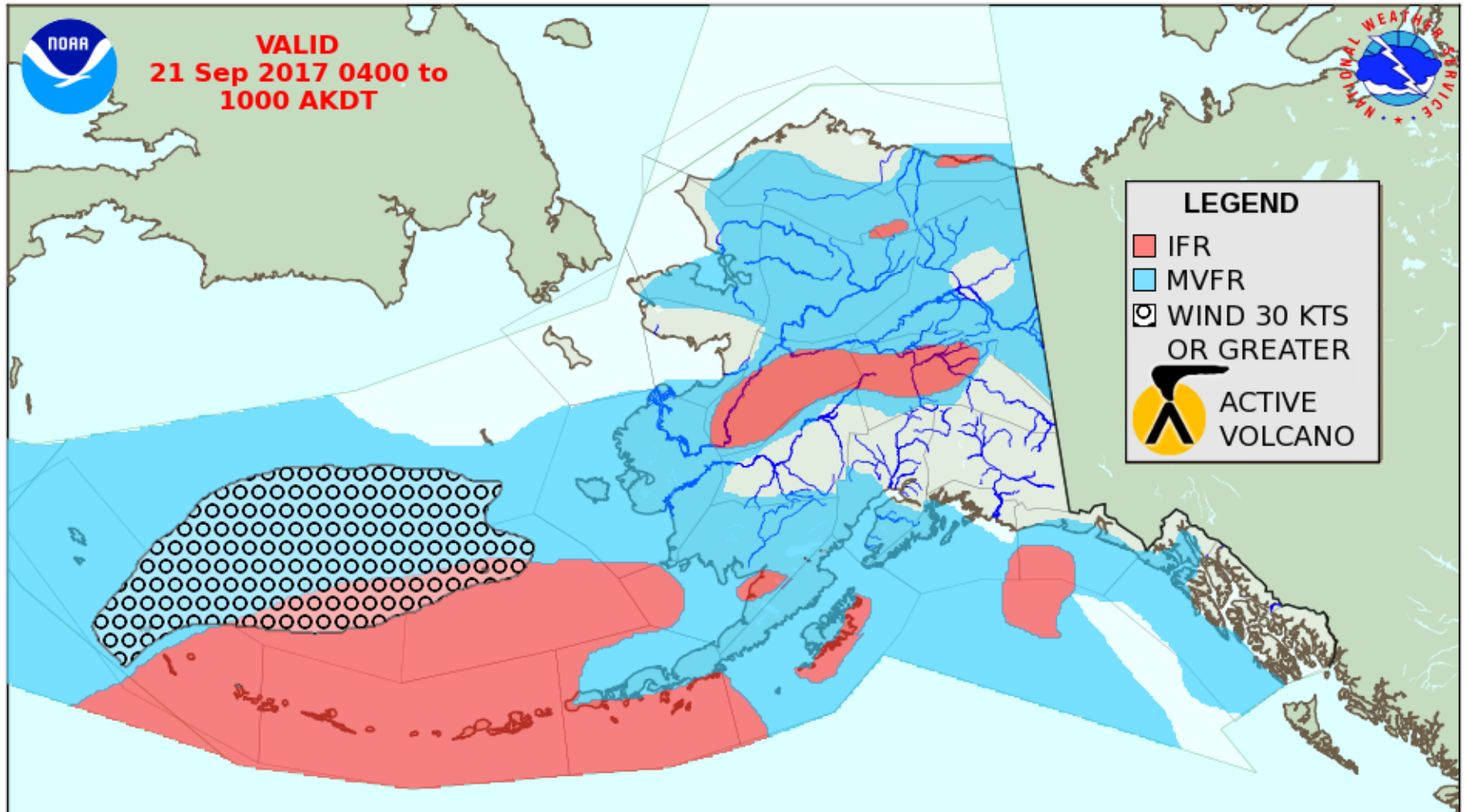


**VALID**  
**21 Sep 2017 0400 to**  
**1000 AKDT**



**LEGEND**

- IFR
- MVFR
- WIND 30 KTS OR GREATER
- ACTIVE VOLCANO



**VALID**  
**21 Sep 2017 1200 to**  
**1800 UTC**

**FLYING WEATHER**  
**NOAA - NWS ALASKA AVIATION WEATHER UNIT**

**ISSUED**  
**21 Sep 2017**  
**05 AM AKDT**



**VALID**  
**21 Sep 2017**  
**0900 AKDT**



**LEGEND**

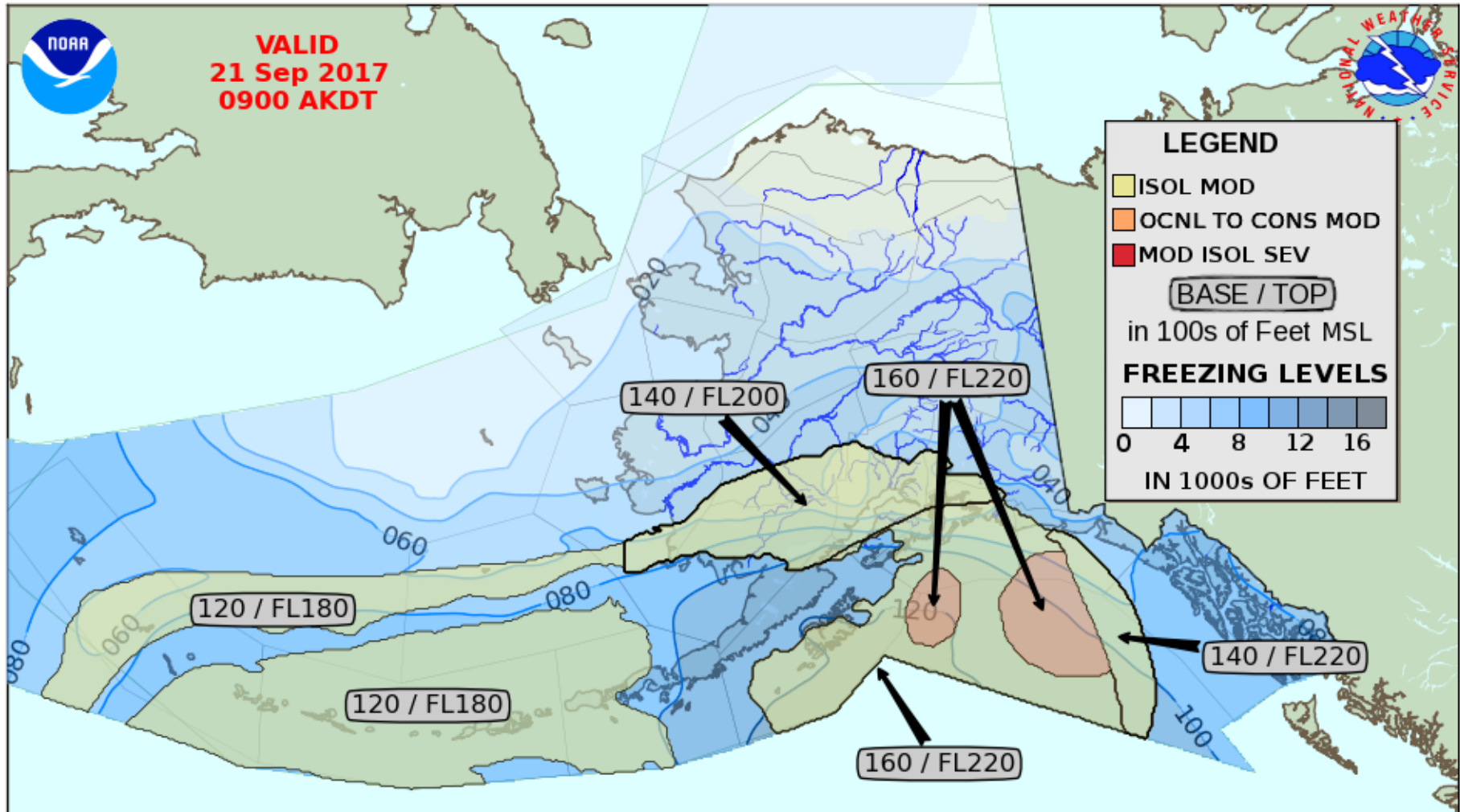
- ISOL MOD
- OCNL TO CONS MOD
- MOD ISOL SEV

**BASE / TOP**  
 in 100s of Feet MSL

**FREEZING LEVELS**

0	4	8	12	16		

IN 1000s OF FEET



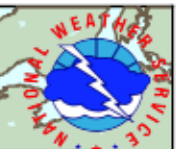
**VALID**  
**21 Sep 2017**  
**1700 UTC**

**ICING FORECAST**  
**NOAA - NWS ALASKA AVIATION WEATHER UNIT**

**ISSUED**  
**21 Sep 2017**  
**04 AM AKDT**



**VALID**  
**21 Sep 2017**  
**1500 AKDT**



**LEGEND**

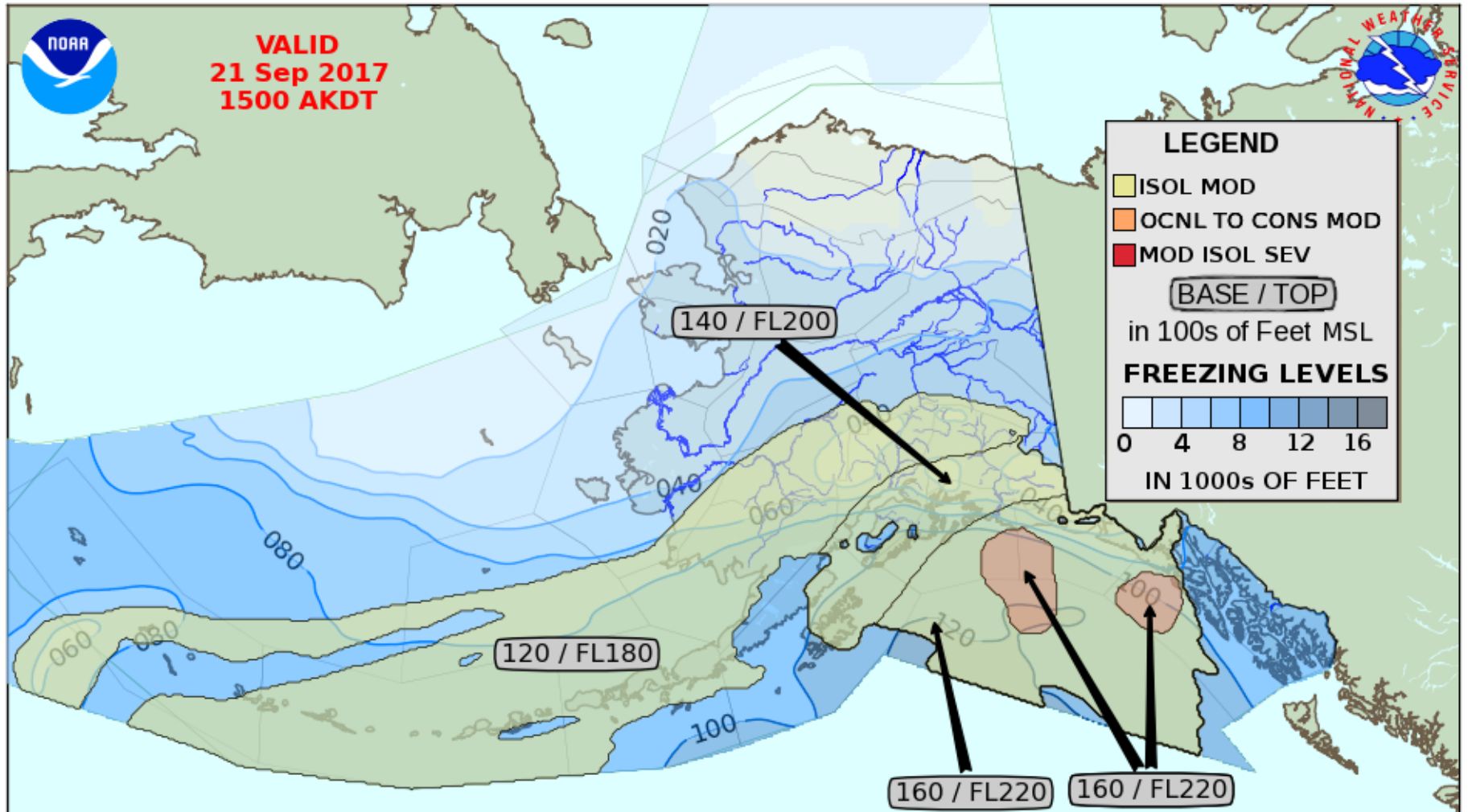
- ISOL MOD
- OCNL TO CONS MOD
- MOD ISOL SEV

**BASE / TOP**  
 in 100s of Feet MSL

**FREEZING LEVELS**

0	4	8	12	16			

IN 1000s OF FEET



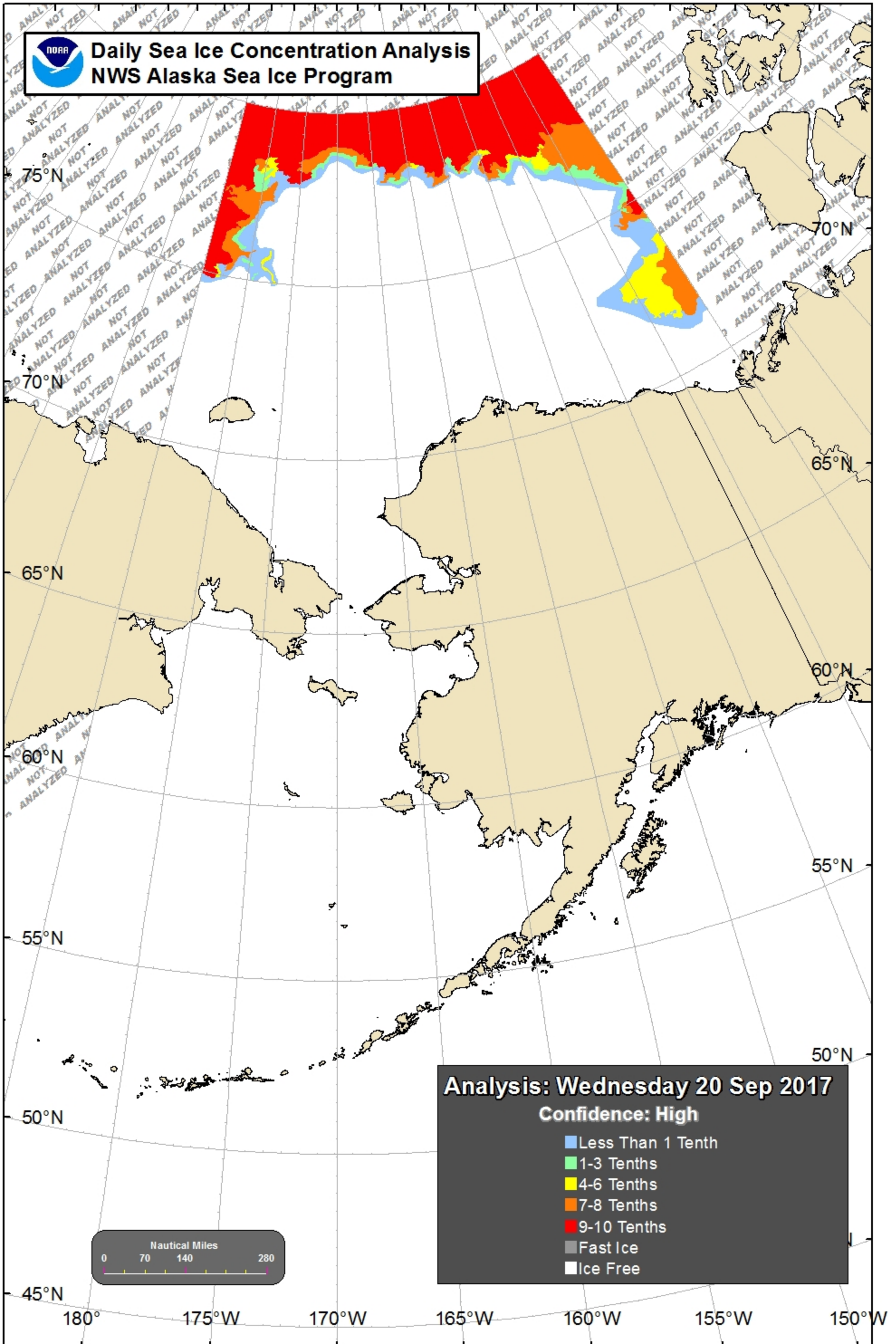
**VALID**  
**21 Sep 2017**  
**2300 UTC**

**ICING FORECAST**  
**NOAA - NWS ALASKA AVIATION WEATHER UNIT**

**ISSUED**  
**21 Sep 2017**  
**04 AM AKDT**



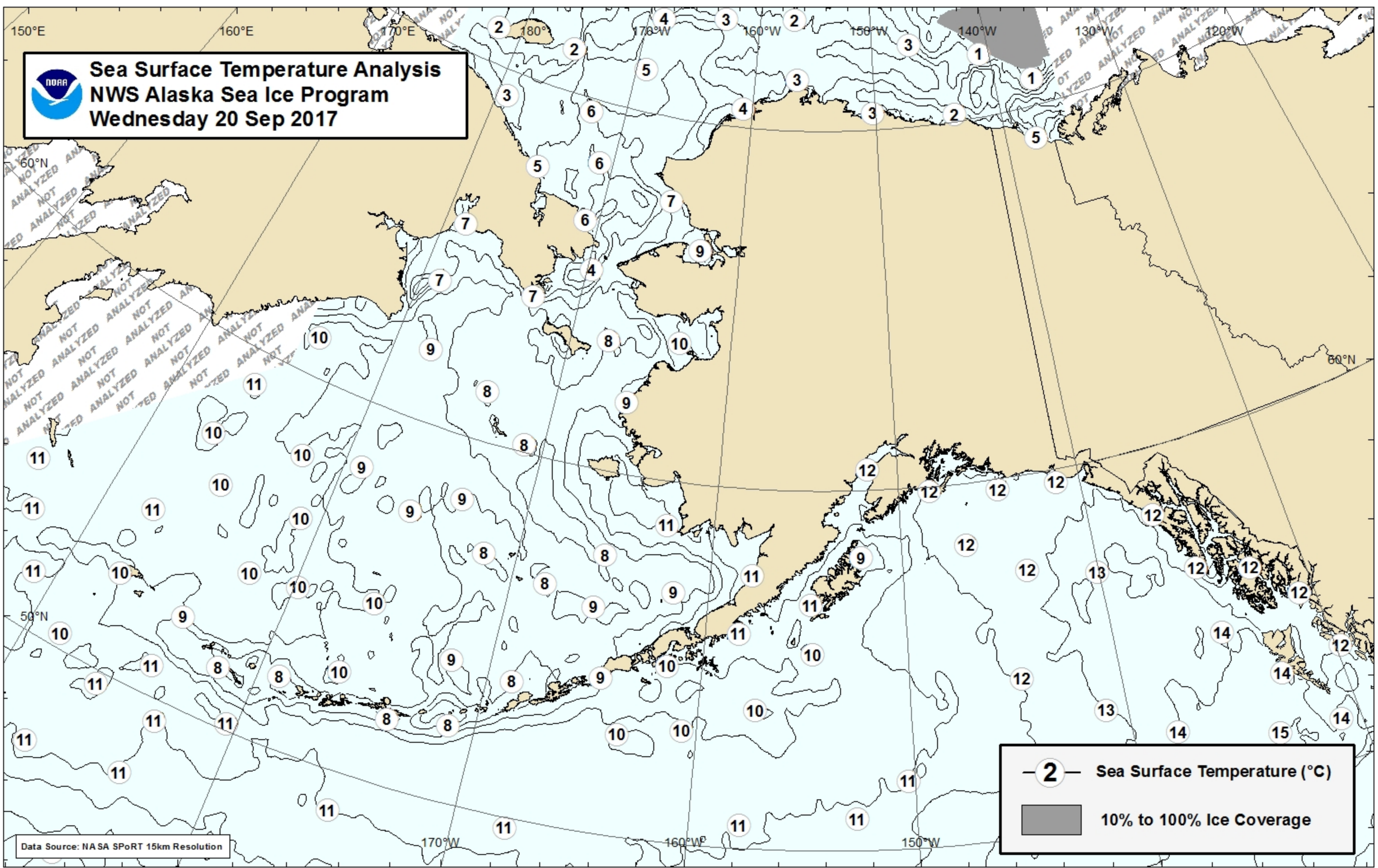
# Daily Sea Ice Concentration Analysis NWS Alaska Sea Ice Program





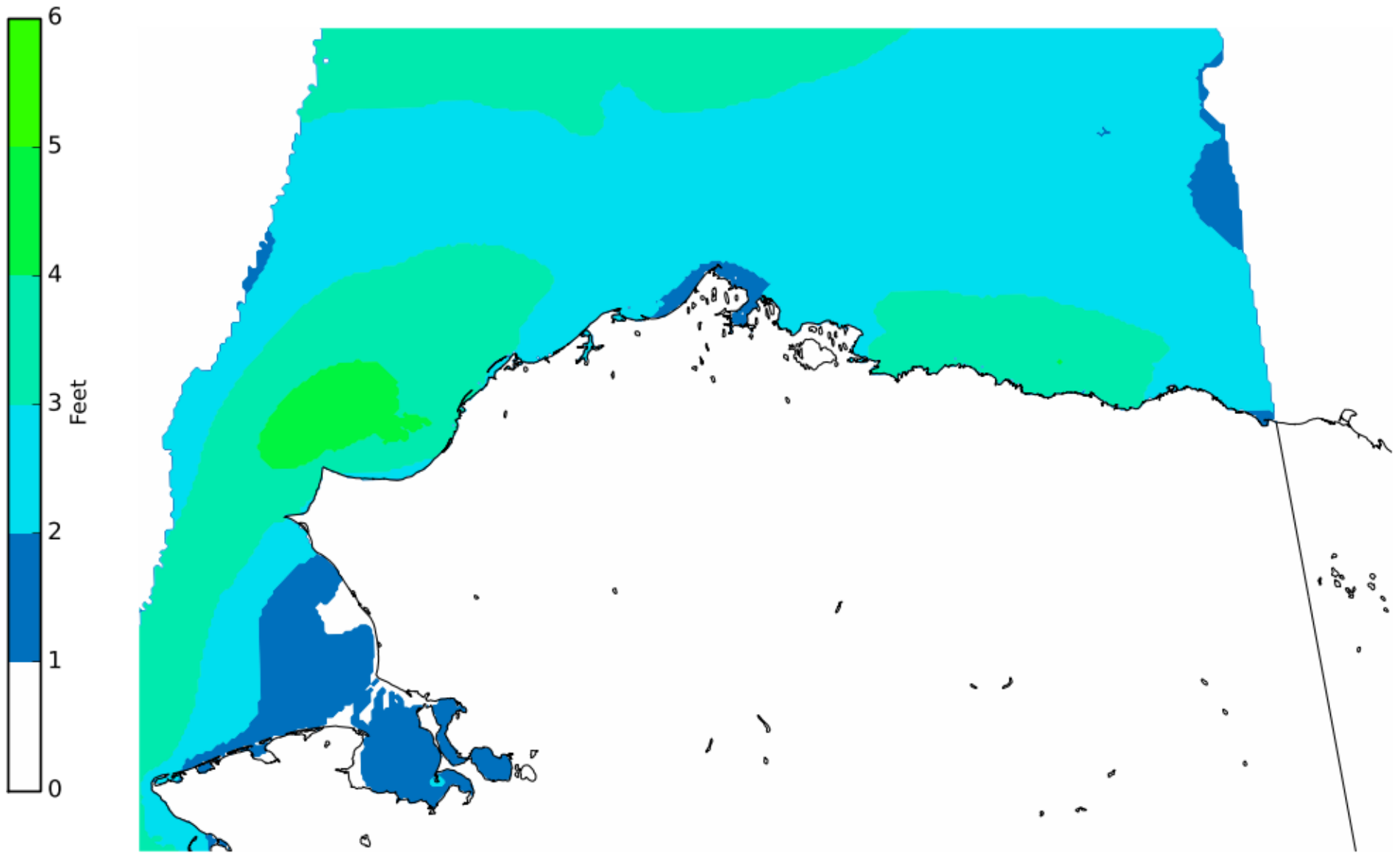


**Sea Surface Temperature Analysis**  
**NWS Alaska Sea Ice Program**  
**Wednesday 20 Sep 2017**



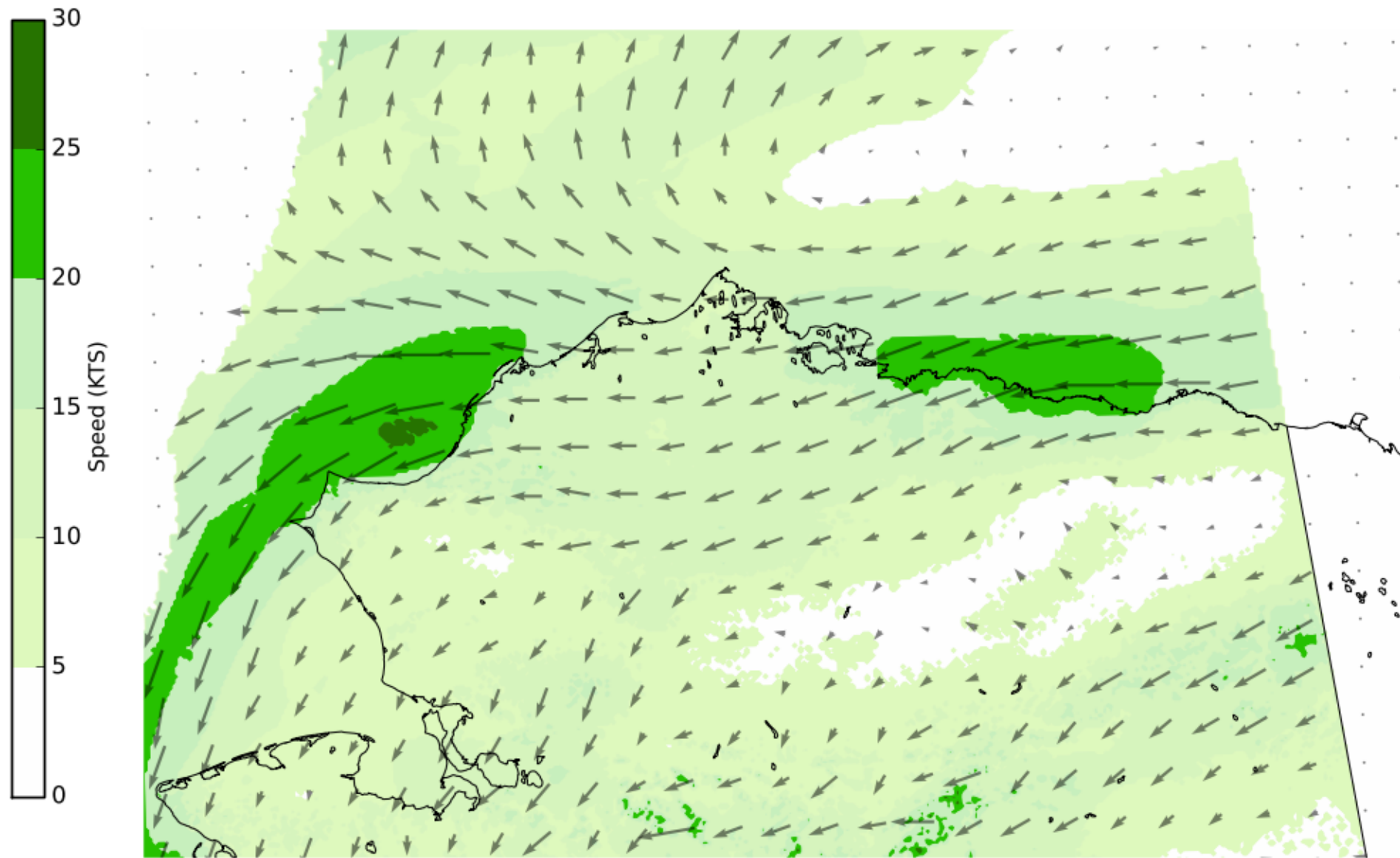
# Wave Heights

Valid: Thursday, September 21, 2017 at 10 AM AKDT



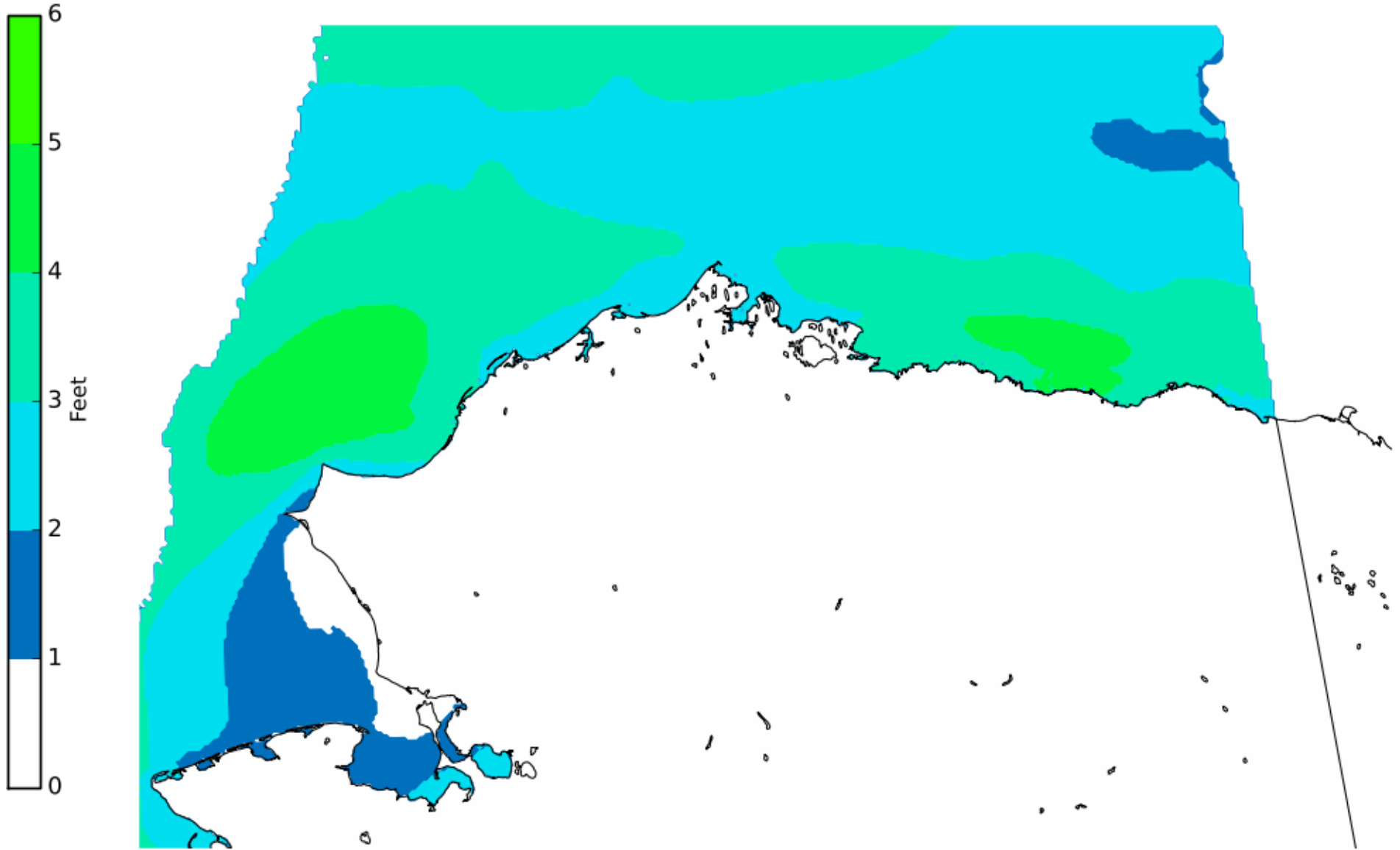
# Wind

Valid: Thursday, September 21, 2017 at 10 AM AKDT



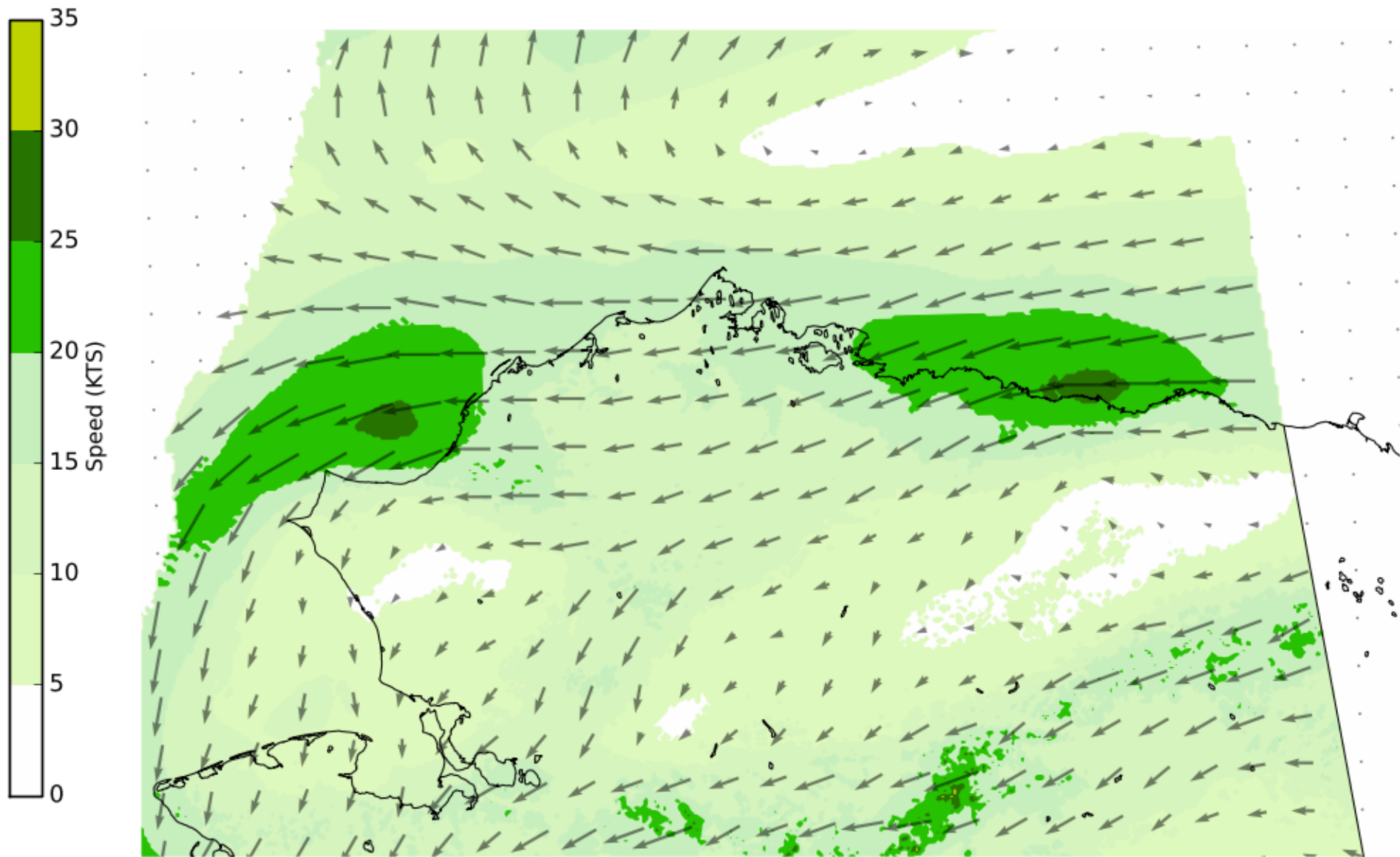
# Wave Heights Thursday Evening

Valid: 09/21/2017 04:00 PM - 09/21/2017 07:00 PM AKDT



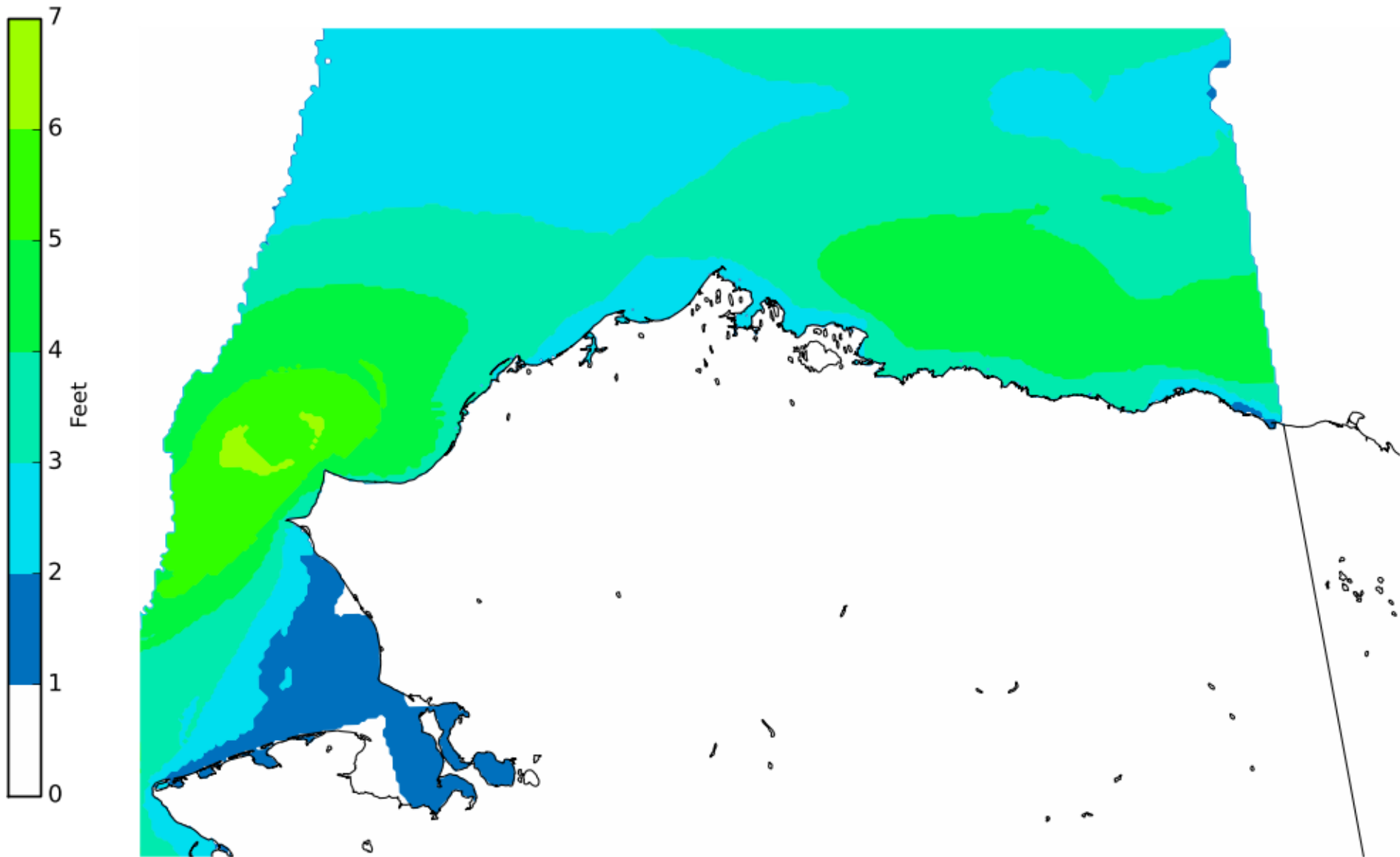
# Wind Thursday Evening

Valid: 09/21/2017 04:00 PM - 09/21/2017 07:00 PM AKDT



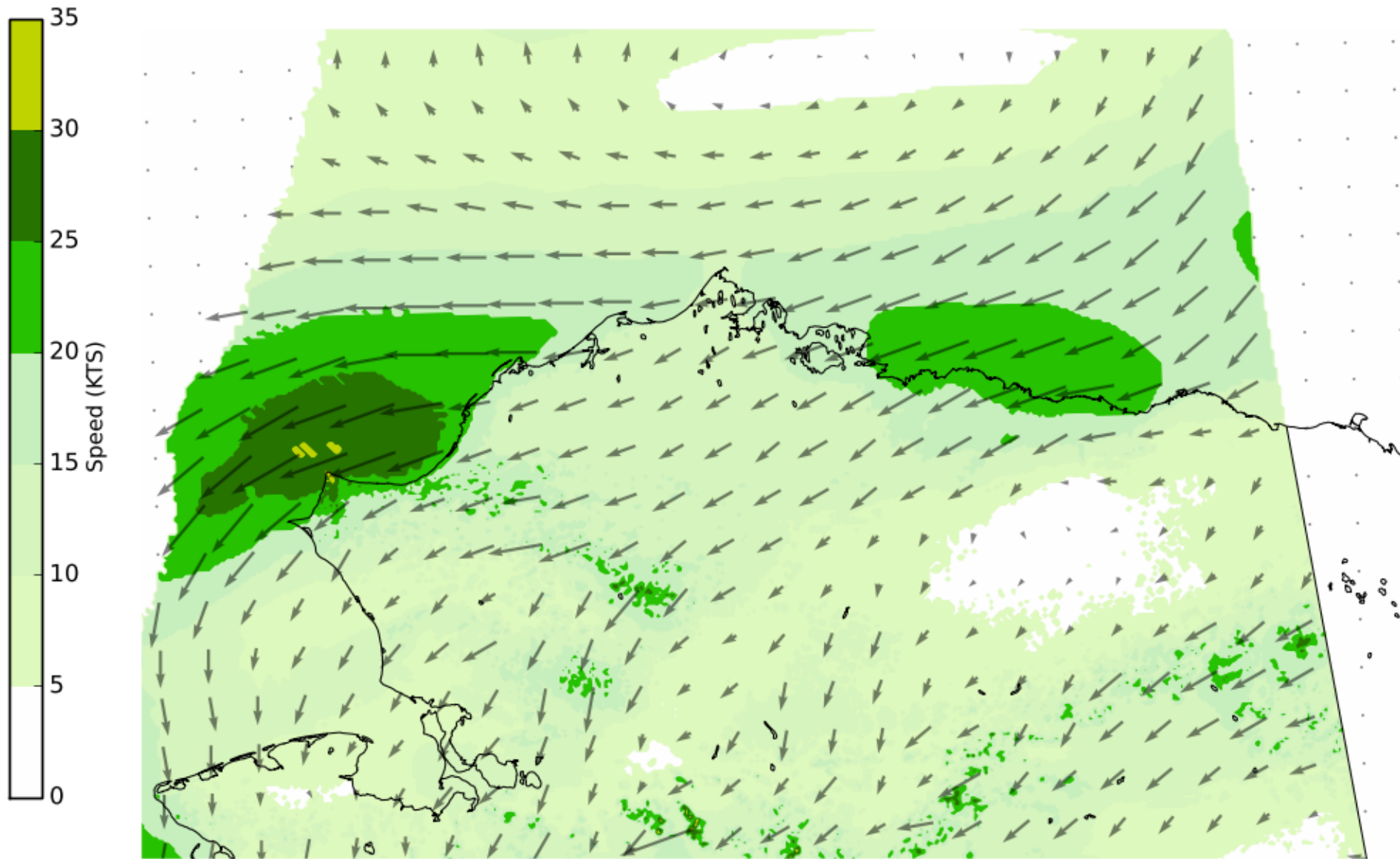
# Wave Heights Friday Morning

Valid: 09/22/2017 07:00 AM - 09/22/2017 10:00 AM AKDT

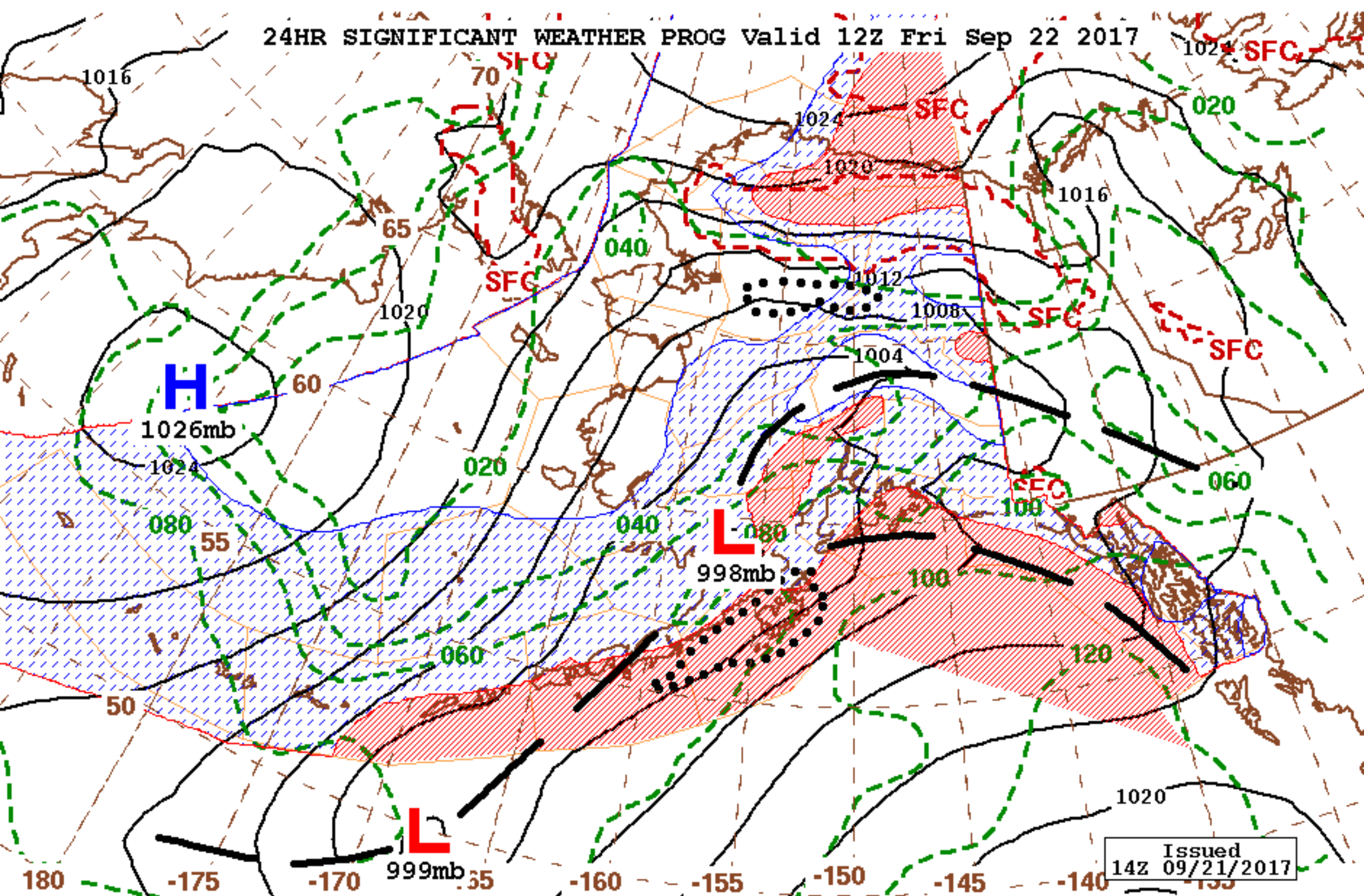


# Wind Friday Morning

Valid: 09/22/2017 07:00 AM - 09/22/2017 10:00 AM AKDT



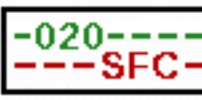
24HR SIGNIFICANT WEATHER PROG Valid 12Z Fri Sep 22 2017



Issued  
14Z 09/21/2017



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SIGNIFICANT WEATHER

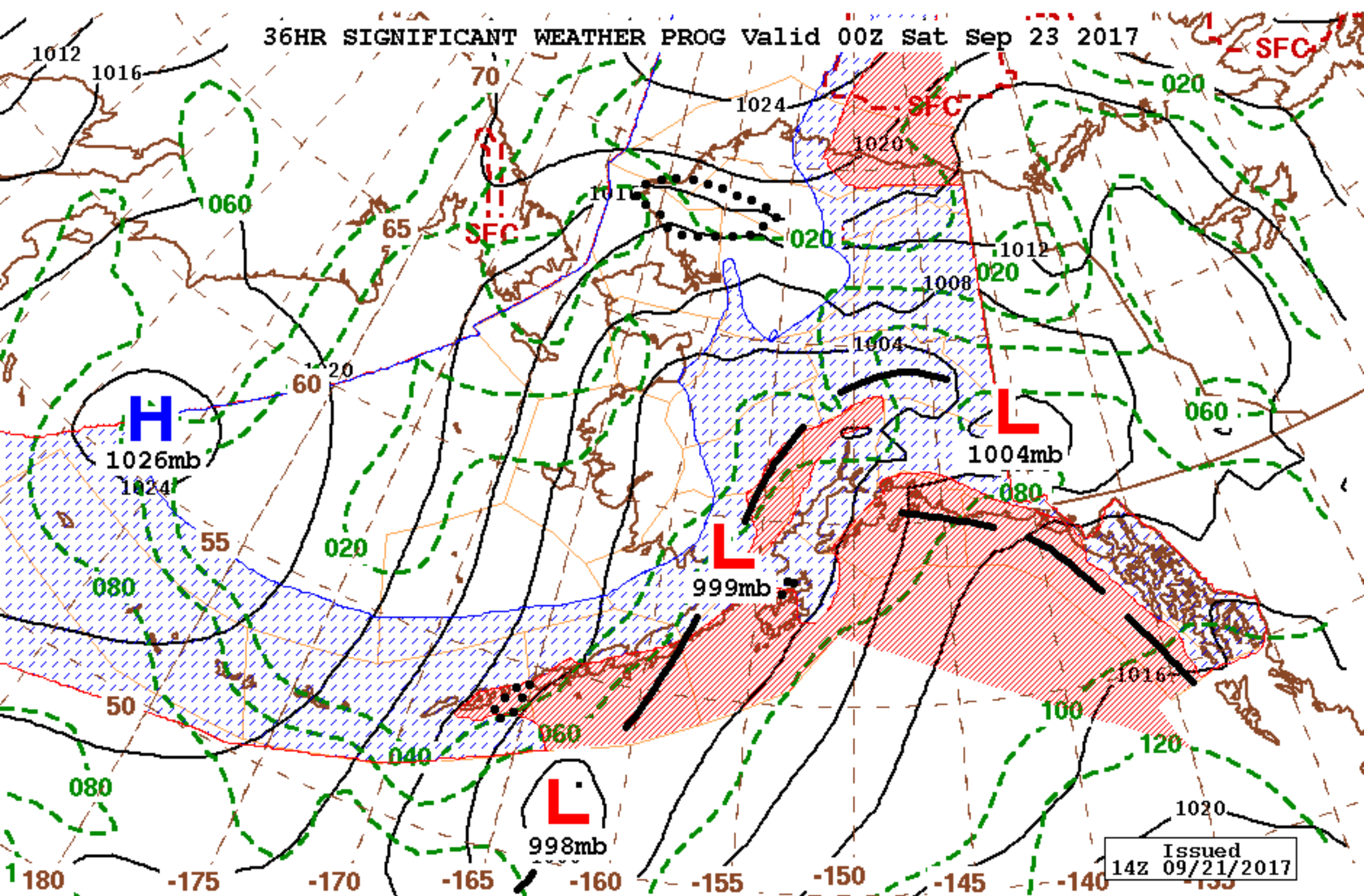


THUNDERSTORMS



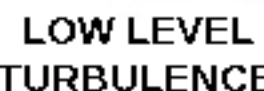
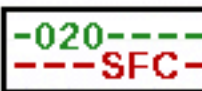


36HR SIGNIFICANT WEATHER PROG Valid 00Z Sat Sep 23 2017



Issued  
14Z 09/21/2017

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SIGNIFICANT WEATHER

LOW LEVEL  
TURBULENCE

THUNDER-  
STORMS

