



Environment
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National Synthetic Aperture Radar Winds (NSW) – RadarSat2

Chris Fogarty/CHC analysis

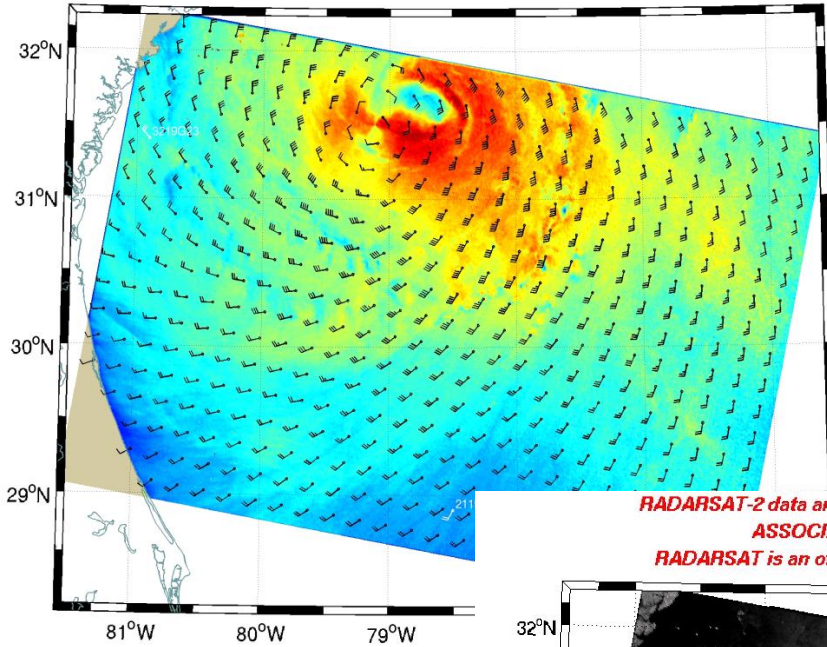


NATIONAL SAR
WINDS PROJECT

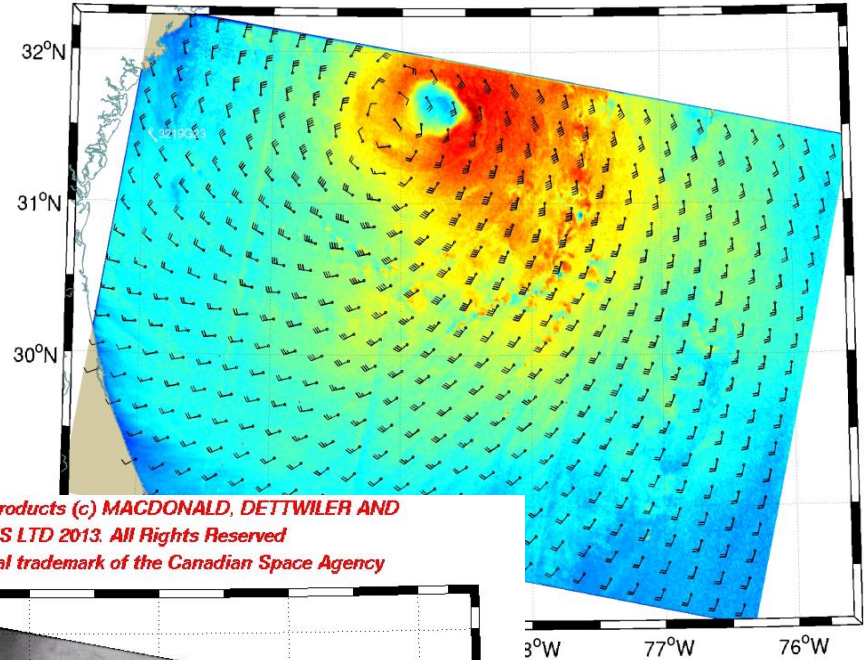
PROJET NATIONAL
DE VENTS DE ROS

SAR Winds Products July 03, 2014

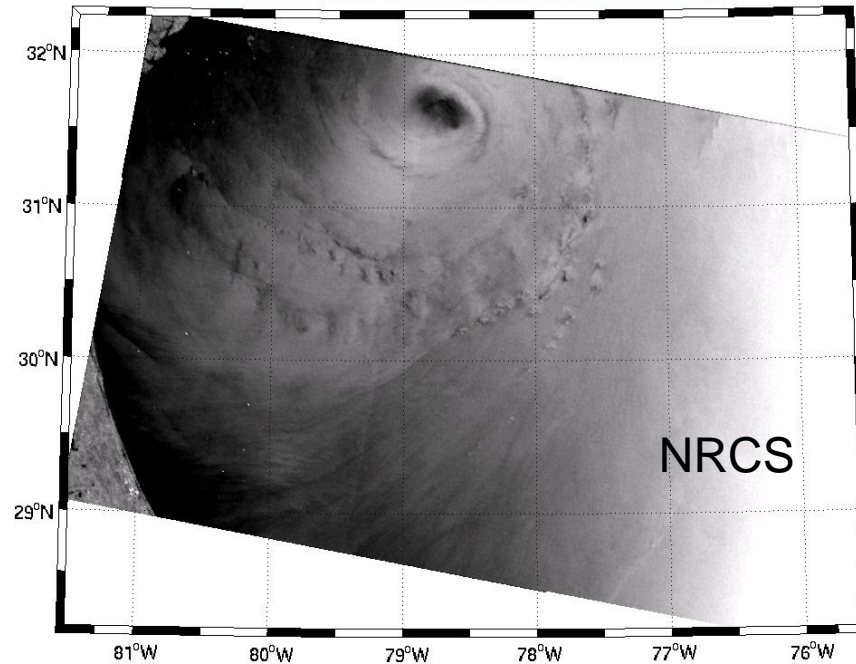
*RADARSAT-2 SCWA_VV VH Descending, 03.Jul.2014 11:13:56 UTC
CMOD with GEM REG NORTH AMERICA Winds 03.Jul.2014 06 UTC +05 hr
Buoy Winds Reported On 03.Jul.2014 11:00:00 UTC*



*RADARSAT-2 SCWA_VV VH Descending, 03.Jul.2014 11:13:56 UTC
VV+VH with GEM REG NORTH AMERICA Winds 03.Jul.2014 06 UTC +05 hr
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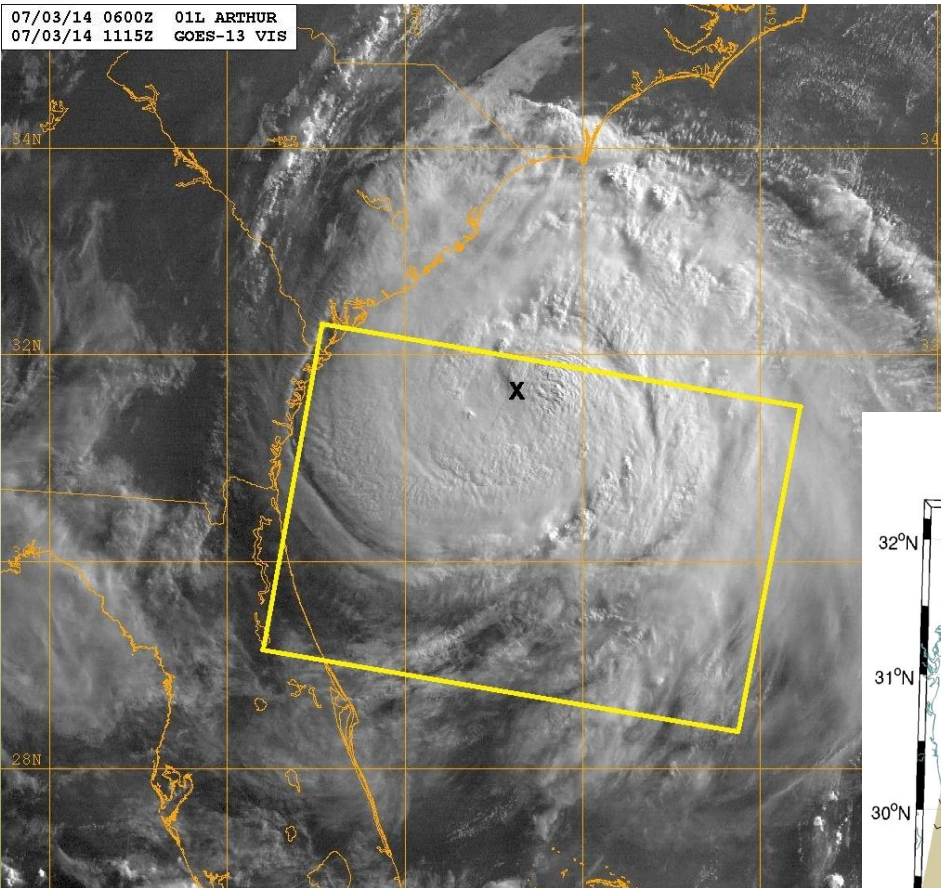


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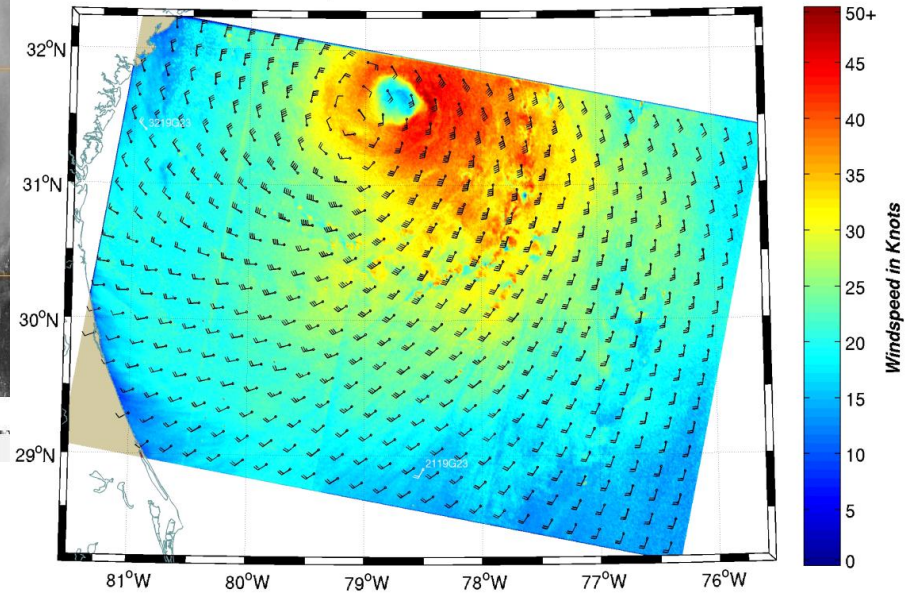
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07/03/14 0600Z 01L ARTHUR
07/03/14 1115Z GOES-13 VIS



Naval Research Lab http://www.nrlmry.navy.mil/sat_products.html
<-- Visible (Sun elevation at center is 11 degrees) -->

RADARSAT-2 SCWA_VV_VH Descending, 03.Jul.2014 11:13:56 UTC
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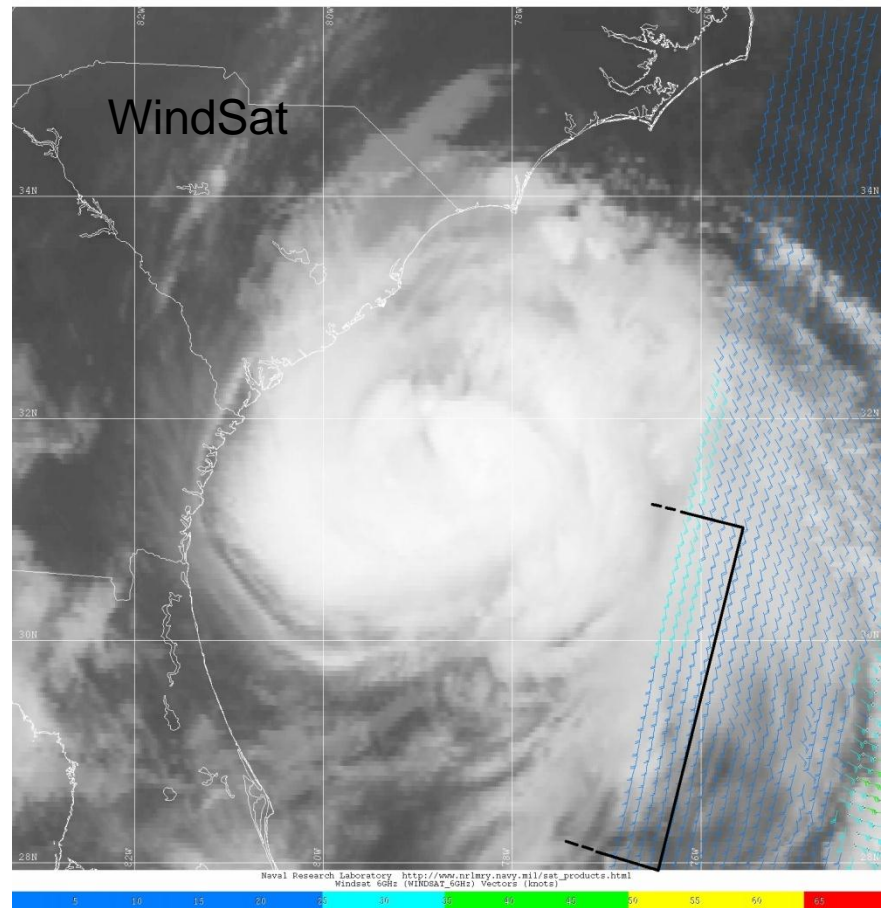
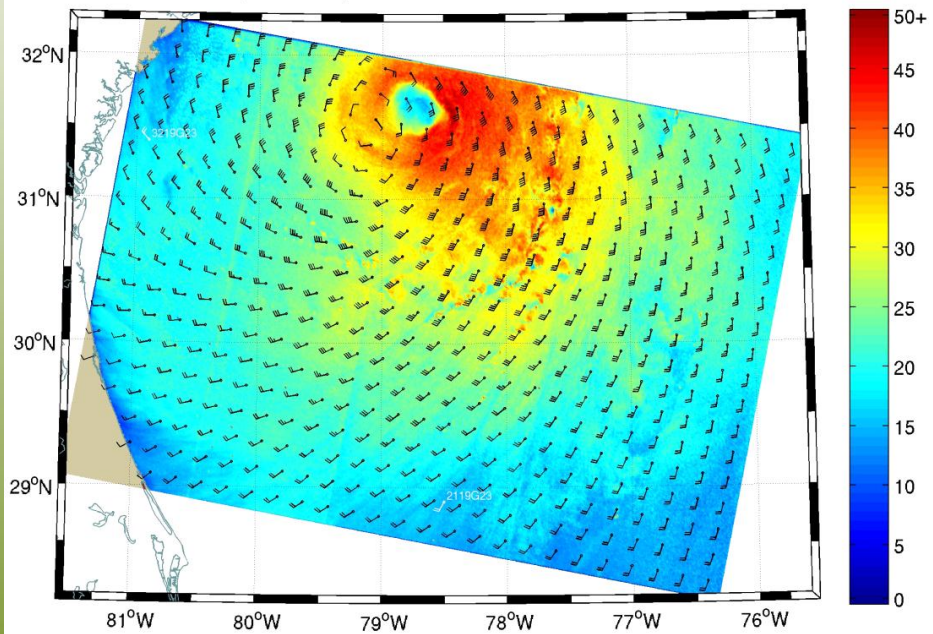
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07/03/14 1200Z 01L APTRUP
 07/03/14 1114Z WindSat 6GHz
 07/03/14 1115Z 028-1.1 IP

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VV+VH with GEM REG NORTH AMERICA Winds 03.Jul.2014 06 UTC +05 hr
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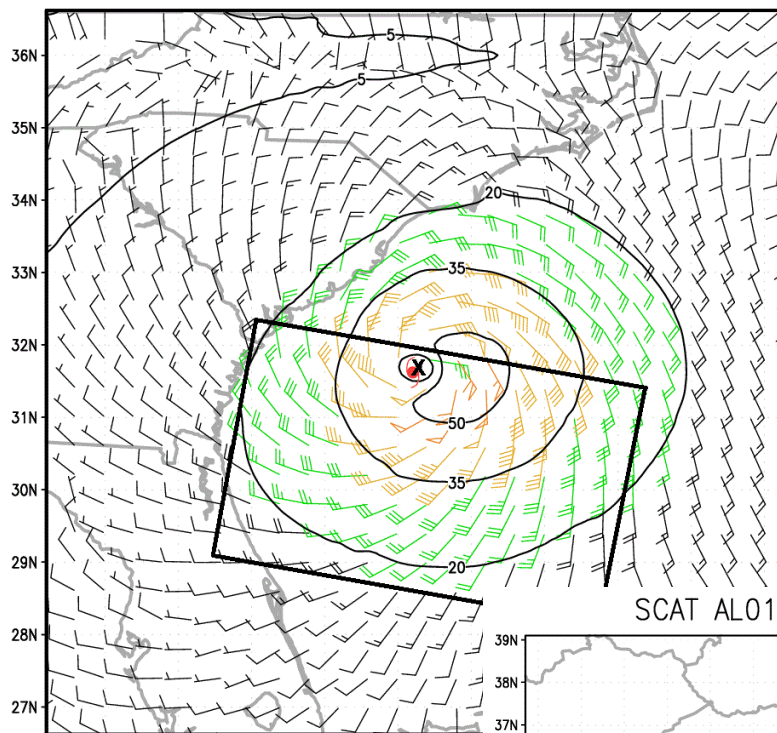


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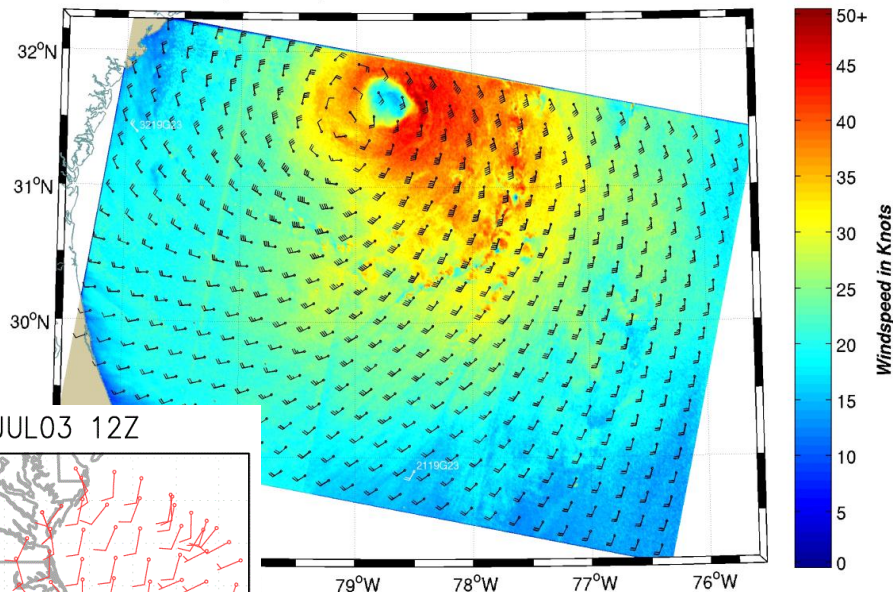
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AL0114 ARTHUR 2014 3 Jul 12UTC

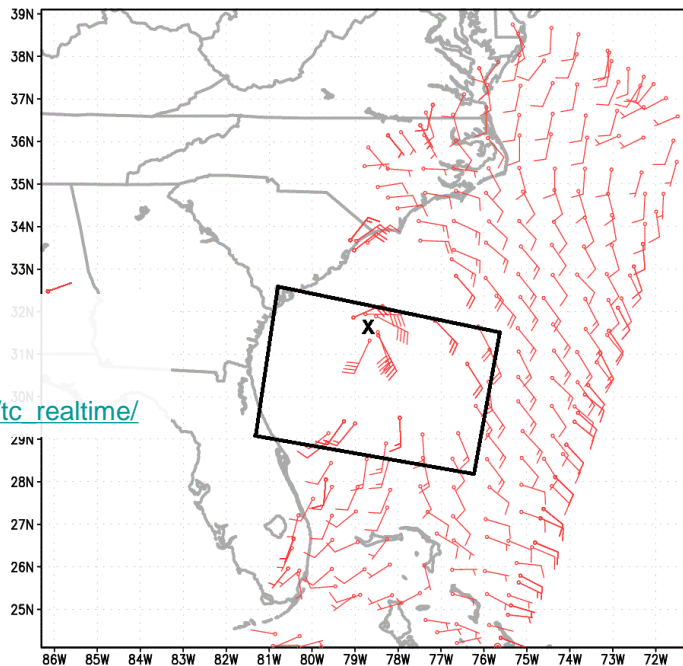


QUA	83W	82W	81W	80W	79W	78W	
R34	NE 120	SE 120	SW 85	NW 90			
R50	70	65	25	0			VMAX = 60 kt
R64	0	0	0	0			RMW = 38 nmi

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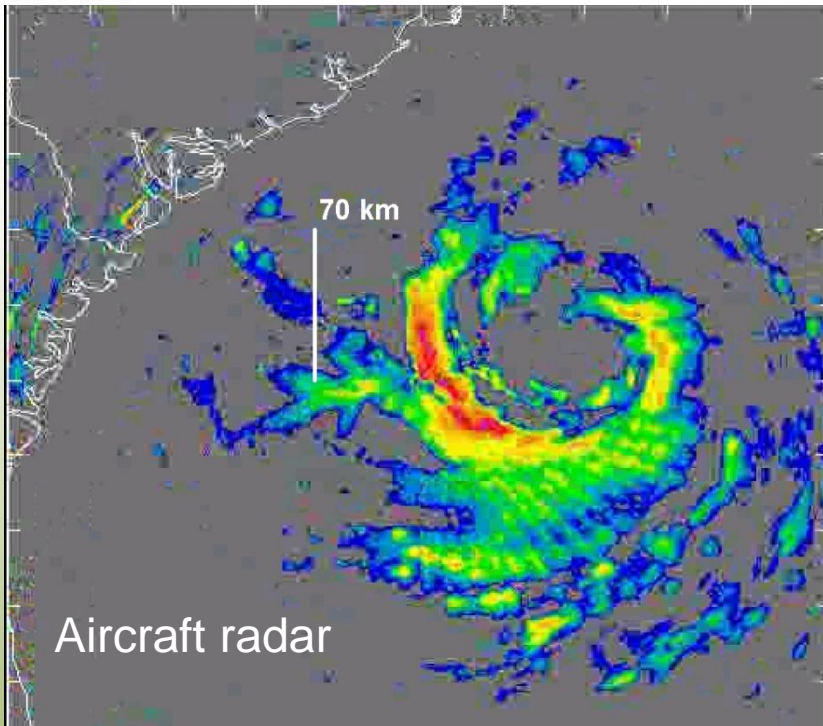
SCAT AL0114 2014 JUL03 12Z



Multiplatform satellite-based wind analyses

http://rammb.cira.colostate.edu/products/tc_realtime/

ASCAT (?) contribution



140703H1
 Arthur

Number of Sweeps: 1

Lat.= 31.47 N
 Lon.= 79.52 W
 at center of map

Radar Alt= 2514 m

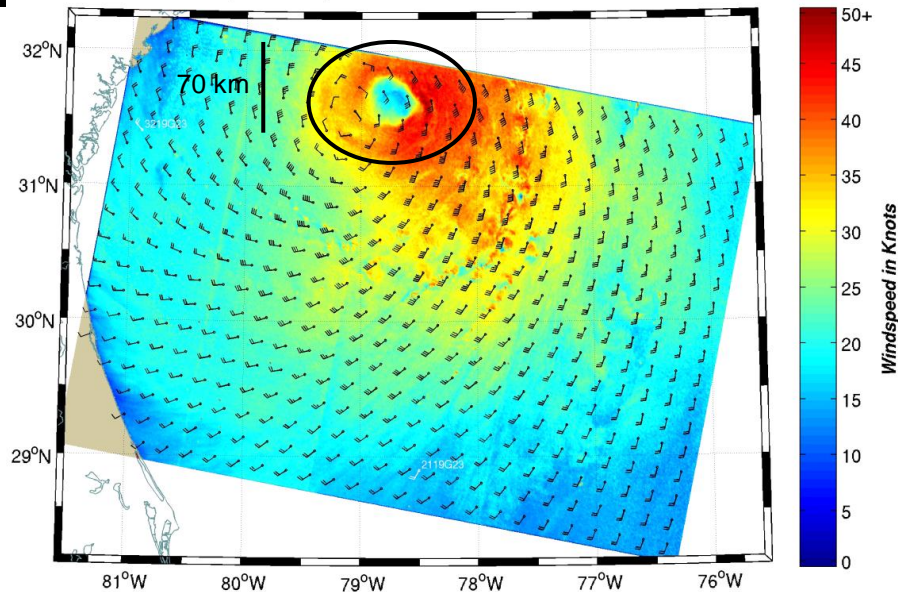
ADML / HRD

2014/07/03
 112059 UTC
 to
 2014/07/03
 112129 UTC

Lat 36

Aircraft radar

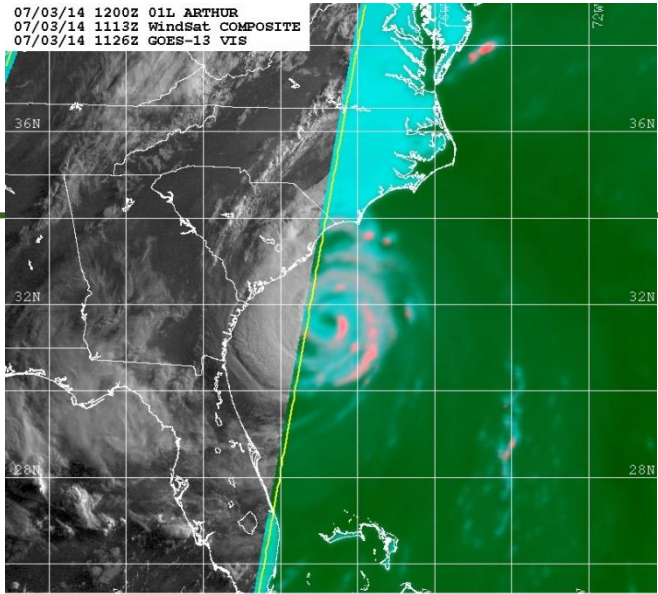
RADARSAT-2 SCWA_VV VH Descending, 03.Jul.2014 11:13:56 UTC
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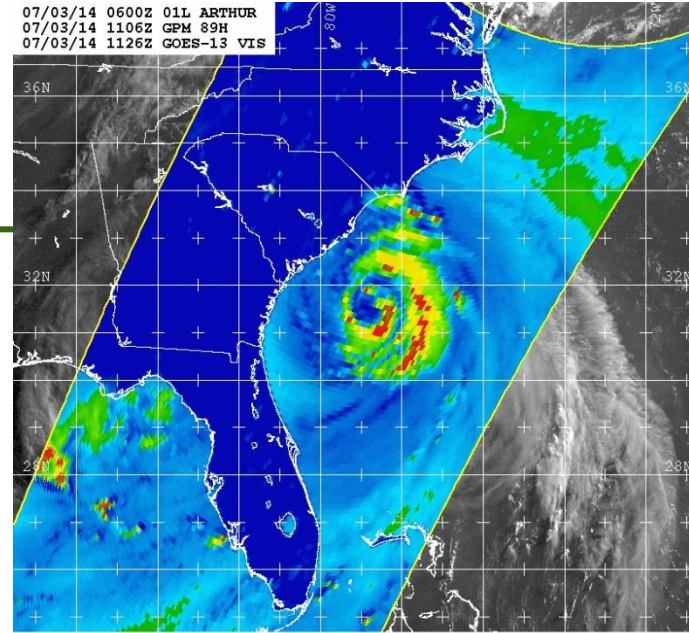
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07/03/14 1200Z O1L ARTHUR
 07/03/14 1113Z WindSat COMPOSITE
 07/03/14 1126Z GOES-13 VIS



Naval Research Lab www.nrlmry.navy.mil/sat_products.html
 Red=37PCT Green=37V Blue=37H

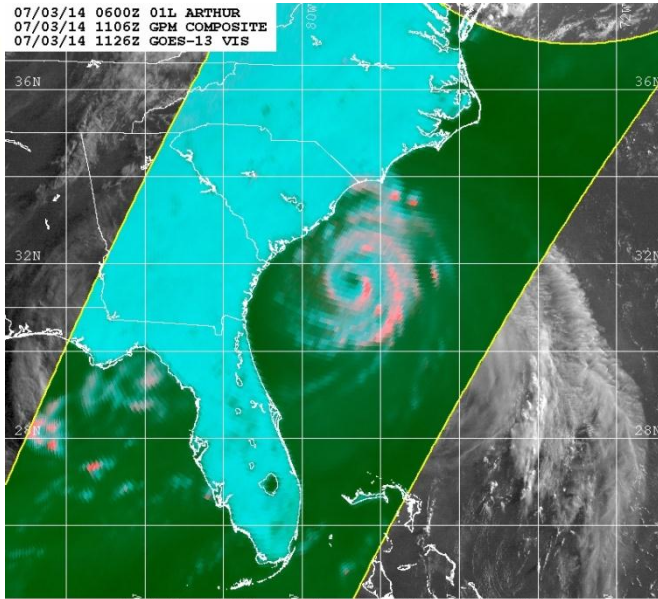
07/03/14 0600Z O1L ARTHUR
 07/03/14 1106Z GPM 89H
 07/03/14 1126Z GOES-13 VIS



Naval Research Lab www.nrlmry.navy.mil/sat_products.html
 GPM 89H

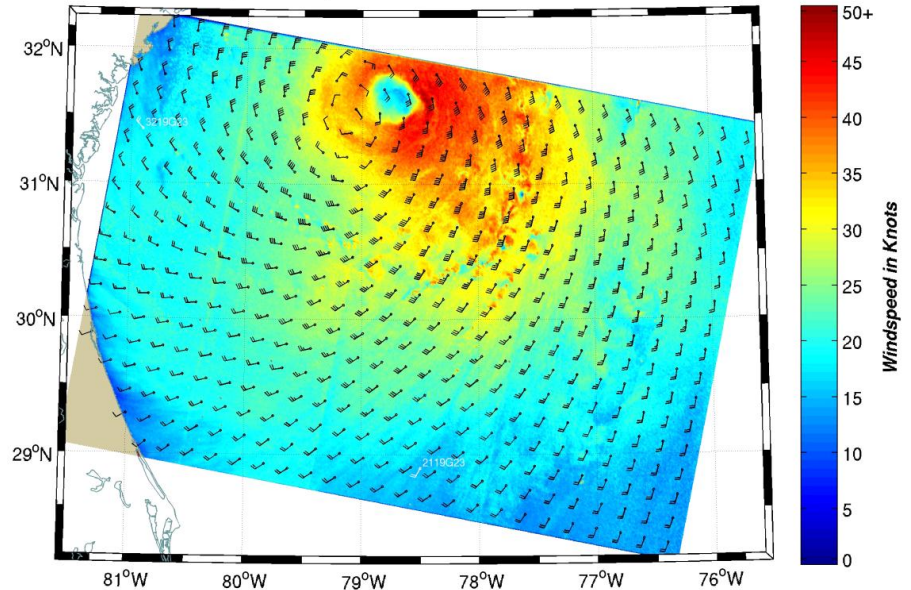
Microwave imagery
 within 20 minutes
 of the SAR image

07/03/14 0600Z O1L ARTHUR
 07/03/14 1106Z GPM COMPOSITE
 07/03/14 1126Z GOES-13 VIS

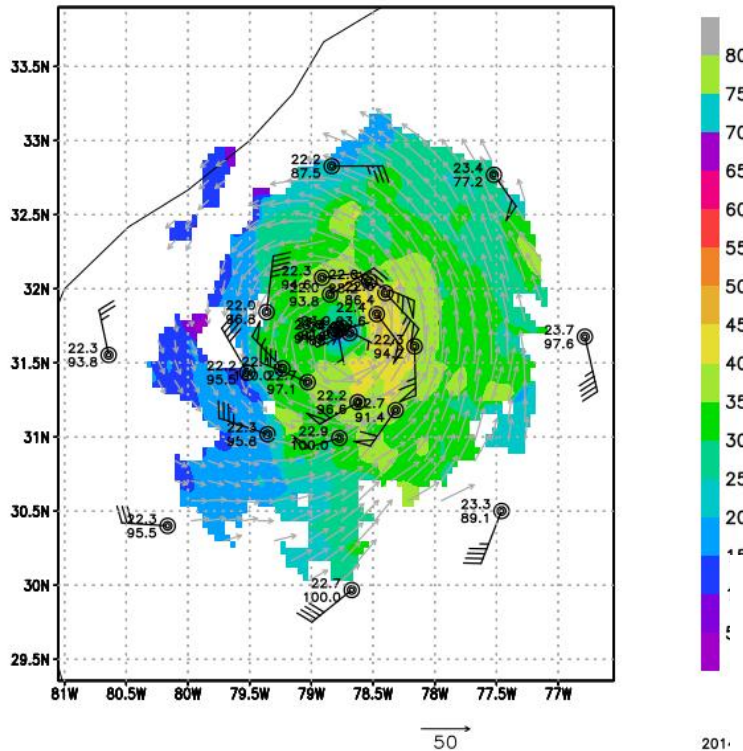


Naval Research Lab www.nrlmry.navy.mil/sat_products.html
 Red=36PCT Green=36V Blue=36H

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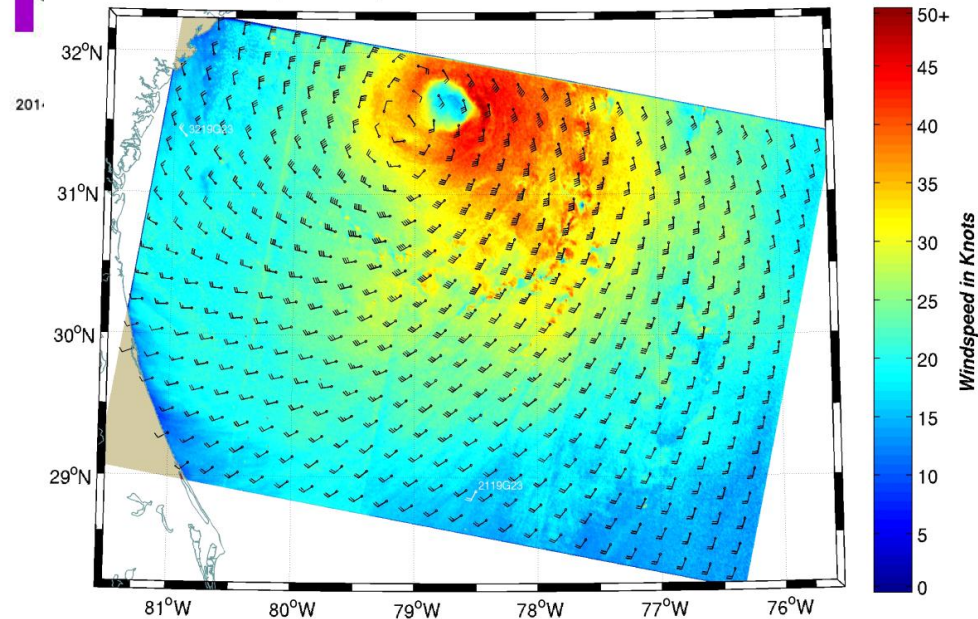
140703H1 ARTHUR at 0.5 km (m/s) Valid 20140703 1132Z



GrADS: IGES/COLA

500-m winds (m/s)
1 m/s = 1.94 kt

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