

NOUS41 KWBC 221515
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-68
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1115 AM EDT FRI AUG 22 2008

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-NOAAPORT
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: JASON TUELL
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: NESDIS ASCAT OCEAN SURFACE WINDS TO BE ADDED TO SBN/NOAAPORT:
EFFECTIVE NOVEMBER 4 2008

EFFECTIVE TUESDAY NOVEMBER 4 2008...BEGINNING AT APPROXIMATELY 1500
COORDINATED UNIVERSAL TIME /UTC/...THE NATIONAL ENVIRONMENTAL
SATELLITE...DATA AND INFORMATION SERVICE /NESDIS/ AND NWS WILL BEGIN
DISSEMINATION OF ASCAT SCATTEROMETER OCEAN SURFACE WIND PRODUCTS VIA THE
SATELLITE BROADCAST NETWORK /SBN//NOAAPORT.

THESE ASCAT OCEAN SURFACE WINDS FROM THE METOP ASCAT SENSOR HAVE A SENSOR
RESOLUTION OF 25 KM. THE METOP IS A POLAR ORBITING SATELLITE PROVIDING
APPROXIMATELY TWO FLYOVERS PER DAY...MORE IN THE HIGH LATITUDE REGIONS.
METOP HAS TAKEN OVER THE MID-MORNING POLAR ORBIT PREVIOUSLY OCCUPIED BY A
NOAA TIROS...N SATELLITE.

EACH ORBIT HAS A DURATION OF APPROXIMATELY 101 MINUTES. THE RAW DATA ARE
PROCESSED BY NESDIS INTO POINT VALUES OF WIND SPEED AND DIRECTION...THEN
ENCODED INTO BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF
METEOROLOGICAL DATA /BUFR/.

THESE ASCAT WINDS ORIGINALLY WERE TO BE IMPLEMENTED WITH THE HIGH DENSITY
QUIKSCAT WINDS FROM THE SEAWINDS SCATTEROMETER SENSOR /SEE [TECHNICAL
IMPLEMENTATION NOTICE /TIN/ 08-29](#)/...BUT WITH A DELAY IN
IMPLEMENTATION...ASCAT WAS REMOVED FROM THAT TIN...AND THIS TIN WAS
CREATED.

THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS /T1T2A1A2II CCCC/ FOR
THESE PRODUCTS WILL BE OF THE FORM:

T1: J
T2: S
A1: X
A2: X
II: REGION /SEE TABLE BELOW/
CCCC: KNES

THE ASCAT WIND PRODUCTS WILL BE PROVIDED OVER THE FOLLOWING NINE
GEOGRAPHICAL REGIONS...WHICH HAVE AN AGGREGATE AREA OF COVERAGE FROM 75N
TO 35S AND FROM 35W TO 130E /CROSSING THE INTERNATIONAL DATELINE/:

REGION II COVERAGE:

AREA1 01 35S TO 37N...35W TO 90W
AREA2 02 37N TO 75N...35W TO 90W
AREA3 03 35S TO 37N...90W TO 109W
AREA4 04 37N TO 75N...90W TO 109W
AREA5 05 35S TO 42N...109W TO 140W
AREA6 06 42N TO 75N...109W TO 128W
 4N TO 42N...128W TO 140W
AREA7 07 35S TO 50N...140W TO 180
AREA8 08 35S TO 50N...180 TO 130E
AREA9 09 52N TO 75N...128W TO 140W
 50N TO 75N...140W TO 130E

IF YOU HAVE ANY QUESTIONS CONCERNING THE TECHNICAL DETAILS OF THESE
PRODUCTS OR THEIR GENERATION...PLEASE CONTACT:

GENE LEGG
NESDIS...OSDPD...IPD
CAMP SPRINGS MARYLAND
PHONE: 301-763-8051 EXT. 107
EMAIL: GENE.LEGG@NOAA.GOV

OR

PAUL CHANG
NESDIS...ORA...ORAD
CAMP SPRINGS MARYLAND
PHONE: 301-763-8231 EXT. 167
EMAIL: PAUL.S.CHANG@NOAA.GOV

IF YOU HAVE ANY QUESTIONS CONCERNING THE SBN/NOAAPORT ACTIVATION OF THESE
PRODUCTS...PLEASE CONTACT:

DAVE NIVER
NWS...OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND
PHONE: 301-713-0211 EXT. 180
EMAIL: DAVE.NIVER@NOAA.GOV

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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