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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-29
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
447 PM EDT TUE APR 1 2008

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAAPORT SUBSCRIBERS
OTHER NWS USERS... PARTNERS AND EMPLOYEES

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

SUBJECT: NESDIS HIGH DENSITY SCATTEROMETER OCEAN SURFACE
WINDS TO BE ADDED TO SBN/NOAAPORT: EFFECTIVE
JUNE 24 2008

EFFECTIVE TUESDAY JUNE 24 2008...BEGINNING AT APPROXIMATELY 1500 COORDINATED UNIVERSAL TIME /UTC/...THE NATIONAL ENVIRONMENTAL SATELLITE...DATA...AND INFORMATION SERVICE /NESDIS/ AND NWS WILL BEGIN DISSEMINATION OF HIGH DENSITY SCATTEROMETER OCEAN SURFACE WIND PRODUCTS VIA SBN/NOAAPORT.

ONE VERSION OF THESE PRODUCTS IS THE CURRENT SET OF NASA QUIKSCAT WINDS FROM THE SEAWINDS SCATTEROMETER SENSOR...BUT WITH THE WIND VECTOR RETRIEVAL HORIZONTAL RESOLUTION INCREASING FROM 25 KM TO 12.5 KM.

THE OTHER VERSION OF THESE PRODUCTS IS ADDITIONAL SCATTEROMETER WINDS FROM THE METOP ASCAT SENSOR HAVING A SENSOR RESOLUTION OF 25 KM.

BOTH QUIKSCAT AND METOP ARE POLAR ORBITING SATELLITES...EACH 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 BUFR.

THE WMO HEADERS /T1T2A1A2II CCCC/ FOR THESE PRODUCTS WILL BE OF THE FORM:

T1: I FOR QUIKSCAT...J FOR ASCAT
T2: S
A1: X
A2: X
II: REGION /SEE TABLE BELOW/
CCCC: KNES

THE SCATTEROMETER 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

FOR 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

FOR 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
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NWS TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWER CASE LETTERS/:

    HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM

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