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**

<table>
<thead>
<tr>
<th>AREA</th>
<th>01</th>
<th>35S TO 37N...35W TO 90W</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA2</td>
<td>02</td>
<td>37N TO 75N...35W TO 90W</td>
</tr>
<tr>
<td>AREA3</td>
<td>03</td>
<td>35S TO 37N...90W TO 109W</td>
</tr>
<tr>
<td>AREA4</td>
<td>04</td>
<td>37N TO 75N...90W TO 109W</td>
</tr>
<tr>
<td>AREA5</td>
<td>05</td>
<td>35S TO 42N...109W TO 140W</td>
</tr>
<tr>
<td>AREA6</td>
<td>06</td>
<td>42N TO 75N...109W TO 128W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4N TO 42N...128W TO 140W</td>
</tr>
<tr>
<td>AREA7</td>
<td>07</td>
<td>35S TO 50N...140W TO 180</td>
</tr>
<tr>
<td>AREA8</td>
<td>08</td>
<td>35S TO 50N...180 TO 130E</td>
</tr>
<tr>
<td>AREA9</td>
<td>09</td>
<td>52N TO 75N...128W TO 140W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50N TO 75N...140W TO 130E</td>
</tr>
</tbody>
</table>

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
  - EMAIL: DAVE.NIVER@NOAA.GOV

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

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