

HFUS-B-BO 14/15 2200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SDE NUMBER 015

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JANUARY 1979

I.A. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. FOUR M-CLASS X-RAY FLARES WERE REPORTED, THE LARGEST WAS A M2/2B AT 1340 U.T. FROM REGION 1492 (S17W82) AND A M1/1B FLARE AT 2012 U.T. FROM REGION 1502 (N16W40). TWO OTHER M-CLASS X-RAY FLARES (WITH NO OPTICAL CORRELATION), OCCURRED AT 0722 U.T. AND 1109 U.T. SEVERAL C-CLASS X-RAY FLARES HAVE ALSO OCCURRED FROM REGIONS 1492, 1502, 1506 (S24W30) AND 1507 (S22W06). REGION 1502 CONTINUES TO BE THE MOST IMPRESSIVE REGION ON THE DISK. NEW REGIONS 1517 (N14W30), 1518 (S17E52), 1519 (N18E59) AND 1520 (S15E74).

I.B. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH DURING THE NEXT 24 HOURS. REGIONS 1502 AND 1507 CONTINUE TO HAVE HIGH POTENTIAL FOR ENERGETIC ACTIVITY. REGION 1519 IS RETURNING REGION 1471 WHICH HAD MINOR ACTIVITY LAST ROTATION.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. UNSETLED LEVELS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 JANUARY - 18 JANUARY

CLASS M 1.9/9.0/9.0

CLASS X 3.0/2.5/2.5

PROTON 15/10/10

PCAF - YELLOW

IV. OTTAWA (10.7 CM FLUX)

OBSERVED 05 JANUARY 203

PREDICTED 06-18 JANUARY 203/200/195

90-DAY MEAN 05 JANUARY 171

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JANUARY 027

ESTIMATED AFR/APR 05 JANUARY 10/12

PREDICTED AFR/APR 06-18 JANUARY 14/20 10/12 09/09

SOLTERWARN

BT