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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO.

SDF NUMBER 005

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS.
AN M1 X-RAY FLARE OCCURRED AT 05/1520Z WITH NO APPARENT ASSOCIATED
OPTICAL FLARE. AN M1/XN FLARE OCCURRED FORM RGN 1484 (S34W22) AT
05/1816Z. REGIONS 1482 (S22W62), 1484 AND 1492 (S17E45) HAVE
SHOWN PLAGE FLUCTUATIONS AND MODERATELY COMPLEX NEUTRAL LINES.
REGIONS 1487 (S12W28) AND 1493 (N24E33) APPEAR TO HAVE RATHER
COMPLEX NEUTRAL LINES.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS DURING THE
FORECAST PERIOD. REGIONS 1482, 1484, 1487 COULD POTENTIALLY
PRODUCE MODERATELY ENERGETIC EVENTS. REGIONS 1492 AND 1493
SHOULD BE MONITORED CLOSELY FOR GROWTH AND INCREASED ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS WITH
OCCASIONAL PERIODS AT MINOR STORM LEVELS DURING THE PAST
24 HOUR PERIOD. IT IS EXPECTED TO REMAIN AT PREDOMINATELY ACTIVE
LEVELS DURING THE NEXT 24 HOURS THEN GRADUALLY DECREASE TO
UNSETLED LEVELS.

III. EVENT PROBABILITIES 06-08 JAN 79

CLASS M 60/60/60

CLASS X 15/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 200

PREDICTED 06-08 JAN 1979 195/193

90-DAY MEAN 05 JAN 168

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 04 JAN 27

ESTIMATED AFR/AP 05 JAN 16/21

PREDICTED AFR/AP 06-08 JAN 15/18 - 12/15 - 10/12

SOLTERWARN

BT