

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 009

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS WITH ONLY LOW CLASS C X-RAY EVENTS AND SUBFLARES BEING OBSERVED. REGION 1494 (N10W20) HAS STABILIZED SOMEWHAT. THIS REGION HAS EVOLVED INTO BASICALLY AN ELONGATED BIPOLAR GROUP WITH SOME COMPLEXITY WITHIN ITS CENTRAL PORTION. REGIONS 1496 (N16E24) AND 1502 (N16E37) ARE GROWING AND THE MAGNETIC GRADIENTS ARE INCREASING IN THIS AREA. A SIMPLE NEW REGION HAS BEEN OBSERVED AT N26E60 AND HAS BEEN NUMBERED 1505.

IB. SOLAR ACTIVITY SHOULD BE AT A MODERATE LEVEL FOR THE FORECAST PERIOD. WHILE THE PROBABILITY OF SIGNIFICANT FLARING FROM REGION 1494 HAS DECREASED SOMEWHAT FROM YESTERDAY, THERE EXISTS THE LIKELIHOOD OF AN INCREASED LEVEL OF SOLAR ACTIVITY DURING THE NEXT 172 HOURS FROM THE 1496/1502 COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST 24 HOURS. A SUDDEN DEFLECTION IN THE FIELD WAS DETECTED AT APPROXIMATELY 0330 U.T. THE FIELD SHOULD REMAIN AT UNSETTLED LEVELS TRENDING TOWARD ACTIVE LEVELS AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 JANUARY - 12 JANUARY

CLASS M 5/5/50

CLASS X 15/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA (10.7 CM FLUX

OBSERVED 9 JANUARY 200

PREDICTED (10-12 JANUARY 197/194/189

90-DAY MEAN 9 JANUARY 169

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 8 JANUARY 06

ESTIMATED AFR/AP 9 JANUARY 12/13

PREDICTED AFR/AP 10-12 JANUARY 10/12 - 12/15 - 13/15

SOLTERWAR N

BT