

HFUS 3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 309

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 9 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 (N 10W20) HAS STABILIZED SOMEWHAT. THIS REGION HAS EVOLVED INTO  
BASICALLY AN ELONGATED BIPOLAR GROUP WITH SOME COMPLEXITY WITHIN  
ITS CENTRAL PORTION. REGIONS 1496 (N 16E24) AND 1502 (N 16E37) ARE  
GROWING AND THE MAGNETIC GRADIENTS ARE INCREASING IN THIS AREA.  
A SIMPLE NEW REGION HAS BEEN OBSERVED AT N26E60 AND HAS BEEN  
NUMBERED (1515).

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

III. EVENT PROBABILITIES 10 JANUARY - 12 JANUARY

CLASS M 5/75 0/50

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 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