

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 069

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 MARCH 1980

I A. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. ONLY A FEW SUBFLARES OCCURRED TODAY IN REGIONS 2314 (N17W75) AND 2323 (N15E37). THE LARGEST X-RAY EVENT WAS A C3/SF AT 1743Z FROM REGION 2314. A C1/SN WAS REPORTED EARLIER AT 1559Z FROM REGION 2323. AFS WAS REPORTED IN REGIONS 2316 (S11W20) AND 2323. TWO NEW REGIONS WERE OBSERVED; 2325 (S19W20), A B-TYPE GROUP, AND 2326 (S14E73), ALSO A B-TYPE GROUP WHICH PRODUCED PLAGE FLUCTUATIONS.

I B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE FORECAST PERIOD. REGIONS 2314, 2316 (S11W20), AND 2323 ARE EXPECTED TO REMAIN THE PRIMARY FLARE PRODUCERS, ALTHOUGH NONE CURRENTLY APPEAR LIKELY OF M-CLASS X-RAY ACTIVITY.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TODAY. CONDITIONS SHOULD REMAIN QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 10 - 12 MAR

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 MAR 164

PREDICTED 10 - 12 MAR 163/162/160

90-DAY MEAN 09 MAR 200

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 08 MAR 06

ESTIMATED AFR/AP 09 MAR 08/08

PREDICTED AFR/AP 10 - 12 MAR 06/08 07/08 11/15

SOLTERWARN

BT

10 20 08