

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER. CO

SDF NUMBER 215

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 3 AUGUST 1978

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL, HOWEVER, SMALL X-RAY EVENTS STARTED TO OCCUR AFTER 03/0400Z. THESE EVENTS HAVE NO OPTICAL COUNTERPART, BUT ARE ASSUMED TO BE COMING FROM REGION OR REGIONS BEYOND EAST LIMB. THE LONGEST EVENT WAS A C-2 AT 1000Z. ALL DISK REGIONS HAVE BEEN QUIET WITH ONLY MINOR DEVELOPMENTS. FLARE HAS ROTATED ON TO THE DISK NEAR S21 AND IS ROTATING ON THE DISK NEAR N20.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS THE REGIONS ON THE EAST LIMB BEGIN TO ROTATE ON TO THE DISK. OLD REGION 1203 (N19 L169) IS NOW DUE ON THE EAST LIMB.

II. THE GEOMAGNETIC FIELD WAS GENERALLY QUIET UNTIL EARLY THIS UT DAY WHEN UNSETTLED CONDITIONS BEGAN TO BE OBSERVED. THIS APPEARS TO BE THE START OF A MINOR GEOMAGNETIC DISTURBANCE EXPECTED FROM A WEAK CORONAL HOLE NOW ABOUT 45 DEGREES PAST CM.

UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 - 06 AUGUST

CLASS M 01/01/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 AUG 106

PREDICTED 04 - 06 AUG 109/112/115

90-DAY MEAN 03 AUG 137

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 AUG 03

ESTIMATED AFR/AP 03 AUG 10/10

PREDICTED AFR/AP 04 - 06 AUG 15/13 - 10/11 - 10/11

SOLTERWARN

BT