

HFUS-1-BOU 2722 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 209

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. OCCASIONAL SUBFLARES AND SMALL CLASS C X-RAY BURSTS HAVE BEEN THE ORDER OF THE DAY. REGION 2582 (N 10W34) IS PROBABLY THE MOST COMPLEX REGION ON THE DISK. IT'S DOUBTFUL IF 2582 STILL HAS MAGNETIC DELTA BUT THE MAGNETIC ALIGNMENT IS UNQUESTIONABLY CHAOTIC. REGION 2588 (S08E75) HAS DEVELOPED SOME ADDITIONAL TRAILER SPOTS AND ITS MAGNETIC CONFIGURATION IS BECOMING MORE INTERESTING. REGION 2587 (S33W26) WHICH HAS ONLY BEEN A FLAGE FOR THE PAST SEVERAL DAYS HAS RE-DEVELOPED A SMALL SPOT GROUP AND A NEW GROUP, 2592 (S11E37) ALSO DEVELOPED DURING THE PAST 24 HOURS. THE REMAINDER OF THE REGIONS APPEAR STABLE OR DECLINING.

IB. SOLAR ACTIVITY SHOULD CONTINUE LOW. NONE OF THE CHANGES MENTIONED ABOVE IS EXPECTED TO LEAD TO ANY DYNAMIC CHANGES IN THE CURRENT LEVEL OF ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETLED. QUIET TO UNSETLED CONDITIONS SHOULD DOMINATE THE COMING 24 HOURS.

III. EVENT PROBABILITIES 28 JULY - 30 JULY

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JULY 183

PREDICTED 28 JULY - 30 JULY 176/170/168

90-DAY MEAN 27 JULY 204

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 26 JULY 15

ESTIMATED AFR/AP 27 JULY 14/12

PREDICTED AFR/AP 28 - 30 JULY 09/10 07/08 07/07

SOLTERWARN

BT