

HFUS -1 BOU 272200

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
(N10W34) IS PROBABLY THE MOST COMPLEX REGION ON THE DISK. ITS
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 CON-
FIGURATION IS BECOMING MORE INTERESTING. REGION 2587 (S33W26)
WHICH HAS ONLY BEEN A FLARE 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 UNSETTLED. QUIET TO
UNSETTLED 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 A 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

SOLIERWARN

BT