

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 215

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. AGAIN, THE X-RAY FLUX HAS REMAINED BELOW THE C1 LEVEL. CULGOORA REPORTED THE DISRUPTION OF A FILAMENT AT S45E01 WHICH PRODUCED A PARALLEL RIBBON, IMPACT FLARE (IF) AT S30E03. THE FLARE WAS LONG-LIVED, FROM 0030Z TO 0330Z. REGIONS 2604 (S20E23) AND 2605 (S05E43) HAVE BEEN ADDED TODAY. HOWEVER, ALL REGIONS ARE SMALL AND SIMPLE IN MAGNETIC STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. OLD ACTIVE REGION 2562 IS DUE BACK ON 06 AUGUST.

II. THE GEOMAGNETIC FIELD WAS ACTIVE, BUT WITH MINOR MAGNETIC CONDITIONS FROM 07-14Z, AT MID-LATITUDES. THIS ACTIVITY IS PROBABLY ASSOCIATED WITH THE DISRUPTION OF THE LARGE FILAMENT ON 30 JULY. THE FIELD IS EXPECTED TO BE GENERALLY ACTIVE ON 04 AUGUST AND UNSETLED TO ACTIVE ON 05-06 AUGUST. TODAY'S FILAMENT DISRUPTION MAY AFFECT THE EARTH'S FIELD THE LATTER HALF OF 06 AUGUST.

III. EVENT PROBABILITIES 04 AUGUST - 06 AUGUST

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 AUGUST 129

PREDICTED 04-06 AUGUST 130/134/138

90-DAY MEAN 03 AUGUST 199

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 AUGUST 07

ESTIMATED AFR/AP 03 AUGUST 28/28

PREDICTED AFR/AP 04-06 AUGUST 18/20 - 12/15 - 15/15

SOLTERWARN

BT