

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 216

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 S30W03. THE FLARE WAS LONG-LIVED, FROM 0038Z TO
0030Z. 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 MAGSTORM
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 UNSETTLED 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