

HFUS 1 BOUL 3 12200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 213

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. THE HIGHEST LEVEL OF XRAY ACTIVITY FOR THE LAST 24 HOURS WAS AN UNASSOCIATED C2 MAXIMUM AT 0919 UT, WITH BACKGROUND XRAYS STABILIZED BELOW C LEVEL FOR THE BALANCE OF DAY. VISUAL EVENTS WERE CONFINED TO AN ACTIVE SURGE REGION ON THE WEST LIMB AND AN ACTIVE DARK FILAMENT. THREE NEW REGIONS WERE NUMBERED TODAY. NEW SPOTS WERE OBSERVED IN 2598 (S19W24), 2599 (N14E71), 2600 (S07E71). OTHERWISE THE VISIBLE DISK IS UNUSUALLY FEATURELESS FOR THIS TIME IN THE SOLAR CYCLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW WITH SLIGHT CHANCE OF ACTIVITY PRIMARILY FROM REGIONS 2588 (S08W26) AND 2591 (N19W17).

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. ACTIVITY SHOULD REMAIN AT QUIET LEVELS UNTIL LATE ON AUGUST 3. A DISAPPEARING FILAMENT ON 30 JULY MAY THEN DISTURB THE FIELD TOWARD UNSETTLED TO ACTIVE LEVELS.

III. EVENT PROBABILITIES 01 - 03 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 JULY 1133

PREDICTED 01 - 03 AUG 129/127/129

90-DAY MEAN 31 JULY 202

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 30 JULY 07

ESTIMATED AFR/AP 31 JULY 06/11

PREDICTED AFR/AP 01 - 03 AUG 08/15 06/12 10/12

SOLTERWARN

BT