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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 189A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 08 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200Z TO 08/1200Z:

SOLAR ACTIVITY HAS BEEN LOW. NINE CLASS C X-RAY BURSTS
WERE RECORDED DURING THE PAST 24 HOURS. NO OPTICAL REPORTS
WERE RECEIVED FOR ANY OF THESE EVENTS. THE LARGEST BURST
WAS A C9 WHICH BEGAN AT 1102Z AND REACHED MAXIMUM AT 1136Z.
REGION 3186 (S03W74) CONTINUES ITS RESURGENT GROWTH AS IT
APPROACHES WEST LIMB. SOME SURGING IS REPORTED ON THE EAST
LIMB. OTHER DISK REGIONS ARE NOT SIGNIFICANT.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE.
GENERALLY ACTIVE CONDITIONS ARE EXPECTED 09-11 JULY.

III. EVENT PROBABILITIES: 09-11 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 07 JUL 145

ESTIMATED 08 JUL 140

PREDICTED 09-11 JUL 135/130/130

90 DAY MEAN 07 JUL 186

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 JUL 17 AP 07 JUL 18

ESTIMATED AFR 07 JUL 13 AFR/AP 08 JUL 13/15

PREDICTED AFR/AP 09-11 JUL 15/15 20/20 13/15

SOLTERWARN

BT

HEUS 3 R0U 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 189P

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 08 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/1200Z TO 08/2100Z: SOLAR ACTIVITY REMAINED LOW DURING THIS PERIOD. REGION 3186 (S03W82) AGAIN PRODUCED THE SINGLE OPTICAL EVENT A C1/9E AT 2000Z. THE LARGEST EVENT WAS A C4.8, NO OPTICAL AT 2057Z. NEW REGIONS TODAY ARE 3203 (S08E80) C-TYPE GROUP AND 3204 (S26E78) A LARGE C-TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL, AT LEAST UNTIL REGION 3204 MAKES ITS INTENTIONS KNOWN.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED LEVELS. THE FIELD IS EXPECTED TO BE AT ACTIVE LEVELS DURING MOST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 JULY - 11 JULY

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JULY 147

PREDICTED 09-11 JULY 149/151/154

90-DAY MEAN 08 JULY 185

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 JULY 13/18

ESTIMATED AFR/AP 08 JULY 13/15

PREDICTED AFR/AP 09-11 JULY 15/15 - 20/20 - 13/15

SOLTERWARN

BT