

FUS 3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 247

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY REMAINS LOW. THE LARGEST EVENT WAS A C2/SB AT 2228Z FROM REGION 4303 (S09E21). THIS REGION CURRENTLY IS SPOTLESS. MOST OF THE OTHER REPORTED SUBFLARES OCCURRED IN REGION 4304 (N09W07). THIS REGION HAS CONTINUED A STRONG GROWTH AND ARCH FILAMENTS INDICATE GROWTH WILL CONTINUE. REGIONS 4307 (S11E68) AND 4308 (N18E78), BOTH SIMPLE REGIONS, WERE ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. HOWEVER, CONTINUED STRONG GROWTH IN REGION 4304 COULD RAISE ACTIVITY TO A MODERATE LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE WEAK, DIFFUSE CORONAL HOLE, WHICH WAS AT CENTRAL MERIDIAN AT THE BEGINNING OF 01 SEPTEMBER, HAS PRODUCED NO MAGNETIC FIELD RESPONSE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05 SEP-07 SEP

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 SEP 109

PREDICTED 05 SEP-07 SEP 112/115/118

90 DAY MEAN 04 SEP 128

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 SEP 007/008

ESTIMATED AFR/AP 04 SEP 003/006

PREDICTED AFR/AP 05 SEP-07 SEP 010/010-010/015-010/015

SOLTERWARN

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