

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 229

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONE NEW REGION WAS NUMBERED TODAY AS REGION 4689 (S11W07). IT CONSISTS OF A SIMPLE BETA SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD AT MID-LATITUDES IS EXPECTED TO BE UNSETTLED TO ACTIVE ON THE 18TH AND ACTIVE ON THE 19TH AND 20TH. AT HIGH LATITUDES THE FIELD IS EXPECTED TO BE ACTIVE ON ALL THREE DAYS. THIS FORECAST IS BASED ON RECURRENT PATTERNS OBSERVED OVER THE PAST THREE ROTATIONS.

III. EVENT PROBABILITIES 18 AUG-20 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUG 066

PREDICTED 18 AUG-20 AUG 066/065/066

90 DAY MEAN 17 AUG 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 AUG 009/014

ESTIMATED AFR/AP 17 AUG 011/025

PREDICTED AFR/AP 18 AUG-20 AUG 015/025-015/020-015/020

SOLTERWARN

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