

HFUS 3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 307

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW, ONLY A FEW ISOLATED C CLASS X-RAY FLARES AND OPTICAL SUBFLARES HAVE OCCURRED. FOR THE MOST PART THE REGIONS ON THE DISK CONTINUE TO BE UNIMPRESSIVE. REGION 4353 (S16E65) IS THE LARGEST SPOT GROUP ON THE DISK WITH A C-TYPE CLASSIFICATION. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4354 (S19E56), A C-TYPE SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW THIS PERIOD. ISOLATED M CLASS X-RAY FLARES ARE POSSIBLE IF THERE IS FURTHER DEVELOPMENT OF REGION 4353.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE TO MINOR STORM LEVELS FOR THE ENTIRE FORECAST PERIOD DUE TO THE IMPACT OF CORONAL HOLE STREAMS AND THE INFLUENCE OF THE FILAMENT WHICH DISAPPEARED ON 31 OCTOBER.

III. EVENT PROBABILITIES 04 NOV-06 NOV

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 NOV 099

PREDICTED 04 NOV-06 NOV 104/105/109

90 DAY MEAN 03 NOV 114

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 NOV 024/030

ESTIMATED AFR/AP 03 NOV 019/015

PREDICTED AFR/AP 04 NOV-06 NOV 030/020-025/015-015/015

SOLTERWARN

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