

HFUSS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 354

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100 TO 19/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL. ONLY ONE SPOTTED REGION IS VISIBLE, NAMELY REGION 4608 (N18W38). THIS REGION CONTINUES TO DECLINE AND THE SPOT GROUP CONSISTS OF TWO SMALL SPOTS. A 15 DEGREE EW FILAMENT LOCATED NEAR N20E07 AT 19/0610Z DECAYED EARLY IN THE DAY AND BY 1600Z WAS COMPLETELY GONE. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND NEARLY FEATURELESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO GENERALLY QUIET. BRIEF PERIODS OF UNSETTLED CONDITIONS ARE POSSIBLE. THE DSF REPORTED IN PART IA MAY INFLUENCE THE FIELD LATE ON 22 DEC.

III. EVENT PROBABILITIES 20 DEC-22 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 DEC 073

PREDICTED 20 DEC-22 DEC 073/073/074

90 DAY MEAN 19 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 DEC 010/014

ESTIMATED AFR/AP 19 DEC 006/009

PREDICTED AFR/AP 20 DEC-22 DEC 007/010-007/010-010/010

SOLTERWARN

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