

HFUS3 BQU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 301

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4698 (N04W96) HAS EXITED THE DISK AS AN HSX TYPE SPOT GROUP. REGION 4699 (N03W88) WAS STILL ON THE DISK BUT REDUCED TO AN HKX TYPE SPOT GROUP. NO NEW REGIONS WERE NUMBERED TODAY. AN ERUPTIVE PROMINENCE WAS OBSERVED NEAR S11W90 WHICH REACHED .32 SOLAR RADIUS AT APPROXIMATELY 1630 UT 28 OCTOBER. THIS EVENT WAS ASSOCIATED WITH A C-CLASS X-RAY EVENT AND A SUB-FAINT FLARE IN REGION 4699 AT ABOUT THE SAME TIME. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. THE CHANCES OF FURTHER ACTIVITY ASSOCIATED WITH REGIONS 4698 AND 4699 IS VERY SMALL. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 OCT-31 OCT

CLASS M 05/02/02

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 OCT 078

PREDICTED 29 OCT-31 OCT 074/072/070

90 DAY MEAN 28 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 OCT 003/007

ESTIMATED AFR/AP 28 OCT 006/010

PREDICTED AFR/AP 29 OCT-31 OCT 005/010-005/010-008/015

SOLTERWARN

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