

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 298

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. IN OPTICAL ANALYSIS REGION 4698 (N04W55) WAS A CHO TYPE SPOT GROUP AND REGION 4699 (N06W42) WAS A ESO TYPE SPOT GROUP. THESE TWO REGIONS HAVE LOST SOME SPOTS AND AREA. THEY HAVE MERGED SLIGHTLY AND THE RESULTING AMBIGUITY IN THE MAGNETIC CONFIGURATION MAKE CLASSIFICATION DIFFICULT. THE LEADER SPOTS OF 4698 APPEARED TO BE ALPHA AND THE REST OF THE REGION 4698-4699 COMPLEX WAS GAMMA. C-CLASS X-RAY EVENTS CONTINUED, THOUGH REDUCED IN NUMBER AND INTENSITY, AND RADIO FREQUENCY EMISSIONS HAVE DECLINED. THE REST OF THE DISK AND LIMBS WERE QUIET. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. THE REGION 4698-4699 COMPLEX IS EXPECTED TO MAINTAIN A SLOW DECAY WHILE PRODUCING AN OCCASIONAL C-CLASS X-RAY EVENT. M-CLASS EVENTS ARE NOT LIKELY. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 26 OCT-28 OCT

CLASS M 05/02/01

CLASS X 01/01/01

PROTON 02/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 OCT 092

PREDICTED 26 OCT-28 OCT 090/088/085

90 DAY MEAN 25 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 OCT 006/010

ESTIMATED AFR/AP 25 OCT 010/012

PREDICTED AFR/AP 26 OCT-28 OCT 012/015-008/010-008/010

SOLTERWARN

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