

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 299

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. REGION 4698 (N04W70) CONTINUES A SLOW DECAY AND IS NOW A CKO TYPE SPOT GROUP. REGION 4699 (N07W57) ALSO HAS DECAYED AND IS A ESO TYPE SPOT GROUP. REGION 4698 (REPEAT 4698) PRODUCED AN M1 X-RAY EVENT (OPTICALLY CORRELATED WITH A 1B FLARE) WHICH REACHED A MAXIMUM AT 0425 UT AND WAS ASSOCIATED WITH A SUDDEN IONOSPHERIC DISTURBANCE. 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 THREE DAYS. THE REGION 4698-4699 COMPLEX WILL CONTINUE SLOW DECAY WHILE PRODUCING MOSTLY C-CLASS X-RAY EVENTS. ADDITIONAL M-CLASS EVENTS ARE POSSIBLE. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: 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 FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 OCT-29 OCT

CLASS M 20/10/05

CLASS X 05/02/01

PROTON 05/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 085

PREDICTED 27 OCT-29 OCT 080/076/072

90 DAY MEAN 26 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 OCT 009/012

ESTIMATED AFR/AP 26 OCT 005/008

PREDICTED AFR/AP 27 OCT-29 OCT 005/008-005/007-010/017

SOLTERWARN

BT