

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 300

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4698 (N04W83) IS A CAO TYPE SPOT GROUP AND REGION 4699 (N06W70) IS A CSO TYPE SPOT GROUP. THESE TWO REGIONS HAVE SEPARATED SLIGHTLY AND CONTINUE SLOW DECAY IN SPOT NUMBER AND AREA AS THEY APPROACH THE LIMB. BOTH REGIONS HAVE PRODUCED OPTICAL FLARES. AN UNCORRELATED EVENT REACHED C-CLASS IN X-RAY INTENSITY AT APPROXIMATELY 1810 UT 27 OCTOBER. NO NEW REGIONS WERE NUMBERED TODAY. ACTIVE PROMINENCES WERE REPORTED AT N06W90. 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. REGIONS 4698 AND 4699 WILL CONTINUE SLOW DECLINE IN SIZE AND ACTIVITY. THERE IS STILL A SLIGHT CHANCE FOR AN M-LEVEL X-RAY EVENT OR PROTON FLARE. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: 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 28 OCT-30 OCT

CLASS M 10/05/05

CLASS X 02/01/01

PROTON 05/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 080

PREDICTED 28 OCT-30 OCT 076/072/070

90 DAY MEAN 27 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 OCT 003/006

ESTIMATED AFR/AP 27 OCT 004/008

PREDICTED AFR/AP 28 OCT-30 OCT 005/010-005/010-010/015

SOLTERWARN

BT