

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 302

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 29 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100
TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. REGION 4699 (N05W99), ALTHOUGH PREDOMINATELY OFF THE
DISK, HAS CONTINUED TO HAVE WEAK OCCASIONAL SURGING. REGION
4699 PRODUCED ONE C-CLASS FLARE (MAX 29/0607 UT) AND SEVERAL
B-CLASS FLARES. NO NEW REGIONS WERE NUMBERED TODAY. THE
REMAINDER OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW AS REGION 4699 ROTATES OFF THE DISK. ONLY A
SLIGHT CHANCE OF FUTURE ACTIVITY EXISTS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN PREDOMINATELY UNSETTLED FOR THE
PAST 24 HOURS. THERE WERE BRIEF MINOR STORM CONDITIONS BETWEEN
1030 UT AND 1500 UT.

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

III. EVENT PROBABILITIES 30 OCT-01 NOV

CLASS M 02/02/01
CLASS X 01/01/01
PROTON 02/02/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 OCT 075
PREDICTED 30 OCT-01 NOV 072/070/070
90 DAY MEAN 29 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 OCT 004/007
ESTIMATED AFR/AP 29 OCT 015/017
PREDICTED AFR/AP 30 OCT-01 NOV 010/015-005/015-015/015
SOLTERWARN
RT