

HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 355

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 21 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100
TO 21/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW FOR THE PAST
24 HOURS. REGION 4708 (N02W87) IS NOW NEARING THE LIMB AND HAS
CONTINUED TO DECAY TO WEAK INTENSITY PLAGE. REGION 4709
(S10W66) IS A BXO 4 SPOT GROUP THAT HAS CONTINUED TO DECAY. THE
DECAY PHASE HAS ACCELERATED DURING THE PAST 12 HOURS. IT HAD
SPORADIC BRIGHTNING AND WEAK FLARING DURING THE FIRST PART OF
THE PERIOD BUT HAS BEEN STABLE AND QUIET SINCE. THE REMAINDER
OF THE DISK AND LIMBS ARE VOID OF GROUPS AND ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW FOR THE ENTIRE PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE PAST 24
HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS WITH
NO INDICATION OF INFLUENCING ACTIVITY OCCURRING OTHER THAN THE
POSSIBILITY OF SOME EFFECTS OF A WEAK DISAPPEARING FILAMENT
THAT OCCURRED ON 17 DECEMBER (S08W44) AND RECURRENT PATTERN ON
THE FIRST AND SECOND DAYS.

NOTICE NOTICE NOTICE----- GOES 6 IS THE PRIMARY SATELLITE BEING
MONITORED BY THE SESC AND ALL REFERENCES TO SATELLITE DATA ARE
BASED ON THE OBSERVATIONS FROM GOES 6 EFFECTIVE 0000Z 20 DEC
1985.

III. EVENT PROBABILITIES 22 DEC-24 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 DEC 078

PREDICTED 22 DEC-24 DEC 079/079/078

90 DAY MEAN 21 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 DEC 011/016

ESTIMATED AFR/AP 21 DEC 005/007

PREDICTED AFR/AP 22 DEC-24 DEC 015/015-010/015-010/015

SOLTERWARN

BT