

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 356

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW FOR THE PAST 24 HOURS. REGION 4708 HAS BEGUN TRANSITING THE WEST LIMB AND REMAINS STABLE AND QUIET. REGION 4709 (S10W79) IS NOW A SPOTLESS GROUP WITH SCATTERED INTENSITY 1-2 PLG. THE REGION HAS HAD SOME PLAGE FLUCTUATIONS AND MINOR POINT BRIGHTNINGS BUT IN LARGE IS QUIET AND STABLE. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FIRST AND SECOND DAY OF THE FORECAST PERIOD AND THEN RISING TO ACTIVE WITH POSSIBLE PERIODS OF MINOR STORM ACTIVITY ON THE FINAL DAY. THE INCREASE IS IN RESPONSE TO SUSPECTED SOLAR SECTOR BOUNDARY. -----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 23 DEC-25 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 076

PREDICTED 23 DEC-25 DEC 076/076/075

90 DAY MEAN 22 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 DEC 004/006

ESTIMATED AFR/AP 22 DEC 008/008

PREDICTED AFR/AP 23 DEC-25 DEC 010/015-010/015-015/030

SOLTERWARN

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