

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 352

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 18 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4708 (N03W43) IS A DAO SPOT GROUP WHICH HAS BEGUN TO SHOW SIGNS OF DECAY. IT HAS REMAINED STABLE THROUGH THE PERIOD. REGION 4709 (S09W23) IS A EAI SPOT GROUP THAT HAS CONTINUED TO GROW IN EXTENT DURING THE PERIOD BUT HAS NOT HAD ANY NEW SPOT GROWTH OR RECENT FLARES. THE REGION DOES HOWEVER CONTINUE TO HAVE POINT BRIGHTNINGS AND PLAGE FLUCTUATIONS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS WITH A BRIEF PERIOD OF MINOR STORM CONDITIONS OCCURRING 1500-1630 UT 18 DECEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE NEXT 24 HOURS AND THEN RETURN TO UNSETTLED CONDITIONS ON THE SECOND AND THIRD DAYS OF THE FORECAST PERIOD. THE EXPECTED ACTIVE CONDITIONS ARE IN RESPONSE TO A DISAPPEARING FILAMENT (N08E15) THAT OCCURRED ON 14 DECEMBER. -----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 19 DEC-21 DEC

CLASS M 01/01/01

CLASS-X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 DEC 081

PREDICTED 19 DEC-21 DEC 082/081/080

90 DAY MEAN 18 DEC 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 DEC 007/010

ESTIMATED AFR/AP 18 DEC 015/020

PREDICTED AFR/AP 19 DEC-21 DEC 019/020-010/010-010/010

SOLTERWARN

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