

HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 005

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 JAN 1984

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z TO 05/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. TWO CLASS C X-RAY EVENTS OCCURRED DURING THE PAST 24 HOURS. THE LARGEST WAS A C2 AT 1726Z (MAX). A FLARE AND BRIGHT SURGE WERE OBSERVED ON THE BOULDER H-ALPHA VIDEO IN REGION 4384 (N16W81) AT THE TIME OF THIS X-RAY EVENT. REGION 4384 WILL TRANSIT WEST LIMB ON 06 JANUARY. REGION 4388 (S10E27) IS EMERGING TODAY AND REGION 4389 (S09E03) IS ROTATING ON TO THE DISK.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II.A. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE BUT WITH PERIODS AT STORM LEVEL ASSOCIATED WITH INDIVIDUAL SUBSTORM ACTIVITY.

II.B. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE GENERALLY AT ACTIVE LEVELS. HOWEVER, SHORT PERIODS AT STORM LEVEL ARE EXPECTED DURING LOCAL NIGHT TIMES IN ASSOCIATION WITH SUBSTORM ACTIVITY.

III. EVENT PROBABILITIES 06 JAN-08 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 092

PREDICTED 06 JAN-08 JAN 091/088/087

90 DAY MEAN 05 JAN 097

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JAN 023/032

ESTIMATED AFR/AP 05 JAN 022/030

PREDICTED AFR/AP 06 JAN-08 JAN 015/020-022/025-020/025

SOLTERWARN

RT