

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 094

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4640 (S25E03), A SPOTLESS PLAGE, PRODUCED A SMALL SUBFLARE EARLY IN THE ZULU DAY AND HAD A FILAMENT DISAPPEARANCE AROUND 1710UT. ANOTHER SMALL FILAMENT NEAR S48W60 DISAPPEARED AROUND 1216UT. A SMALL B TYPE SPOT GROUP NUMBERED 4643 DEVELOPED NEAR S16E63. REGION 4637 HAS COMPLETED WEST LIMB PASSAGE BUT AN APR IS STILL VISIBLE. REGION 4642 (S20E14) HAS NOT CHANGED MUCH.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT 24 HOURS AND THEN BECOME GENERALLY UNSETTLED.

III. EVENT PROBABILITIES 05 APR-07 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 APR 072

PREDICTED 05 APR-07 APR 071/070/070

90 DAY MEAN 04 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 APR 019/021

ESTIMATED AFR/AP 04 APR 012/020

PREDICTED AFR/AP 05 APR-07 APR 010/015-010/010-008/010

SOLTERWARN

BT