

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 089

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY,
ISSUED 2200Z 30 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z
TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. REGION 4637 (N05W30) WAS SEEN TODAY AS A STABLE GROUP
CONSISTING MAINLY OF TWO MATURE LEADER POLARITY SPOTS. IT
PRODUCED A SUBFAINT FLARE AT 1149 UT. A SPOT WAS SEEN IN REGION
4639 (S08W43) EARLY IN THE DAY, AND 4636 (S11W66) GREW TO A
B-TYPE GROUP. A LARGE ACTIVE FILAMENT NEAR S14W58 WHICH HAS
BEEN FADING IN AND OUT FOR THE PAST SEVERAL DAYS AGAIN
DISAPPEARED BEFORE 1100 UT. SURGING WAS REPORTED ON THE WEST
LIMB AT N05, S12, AND S51. NO NEW REGIONS WERE NUMBERED
ALTHOUGH THERE IS AN AREA OF SPOTLESS PLAGE NEAR S25E70.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. THERE ARE NO REGIONS DUE TO RETURN DURING THE
NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET FOR THE PAST 24
HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN MOSTLY QUIET TOMORROW, BUT ACTIVE TO
POSSIBLE STORM CONDITIONS ARE EXPECTED FOR THE NEXT SEVERAL
DAYS IN RESPONSE TO THE RECURRENT EFFECTS OF A
POSITIVE-POLARITY CORONAL HOLE. HOWEVER, THE HOLE IS MUCH
WEAKER THIS ROTATION THAN LAST.

III. EVENT PROBABILITIES 31 MAR-02 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAR 072

PREDICTED 31 MAR-02 APR 070/070/070

90 DAY MEAN 30 MAR 074

V. GEOMAGNETIC A-INDICES

OBSERVED AFR/AP 29 MAR 006/009

ESTIMATED AFR/AP 30 MAR 006/010

PREDICTED AFR/AP 31 MAR-02 APR 010/020-025/030-020/025

SOLTERWARN

BT