

HFUS3 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 252

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 09 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. ONE REGION WAS NUMBERED. NEW REGION 4693 (S20E37) IS A SPOTLESS PLAGE REGION OF NEW CYCLE POLARITY (THE LEADER MAGNETIC FIELD IS POSITIVE). AN ARCH FILAMENT SYSTEM AND A WEAK ACTIVE DARK FILAMENT HAVE BEEN OBSERVED HERE. NO OTHER SIGNIFICANT DISK OR LIMB ACTIVITY WAS REPORTED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. THIS DISTURBANCE IS THE RECURRENT EFFECT OF A WEAK CORONAL HOLE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY UNSETTLED TOMORROW, BUT INCREASE TO PREDOMINANTLY ACTIVE LEVELS FOR THE NEXT TWO DAYS. THIS DISTURBANCE IS FORECAST IN RESPONSE TO A FILAMENT DISAPPEARANCE NEAR CENTER DISK AT APPROXIMATELY 1700 UT ON 7 SEPTEMBER.

III. EVENT PROBABILITIES 10 SEP-12 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEP 070

PREDICTED 10 SEP-12 SEP 070/070/070

90 DAY MEAN 09 SEP 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 SEP 010/014

ESTIMATED AFR/AP 09 SEP 013/020

PREDICTED AFR/AP 10 SEP-12 SEP 012/020-018/015-018/015

SOLTERWARN

BT