

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 256

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 13 SEP 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100
TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24
HOURS. NEW REGION 4694 (S10E70) ROTATED FULLY ONTO THE DISK AS
A COMPACT B-TYPE GROUP. REGION 4694 CONTAINS A MODERATE ARCH
FILAMENT SYSTEM WITH FREQUENT POINT BRIGHTENINGS, AND HAS
PRODUCED EAST LIMB SURGING AND AN ERUPTIVE SUBFAINT FLARE. ONLY
SCATTERED PLAGE MARKS THE LOCATION OF REGION 4693 (S19W22). NO
OTHER SIGNIFICANT LIMB OR DISK ACTIVITY WAS REPORTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW FOR THE NEXT THREE DAYS. REGION 4694 SHOULD BE
MONITORED FOR GROWTH WHICH COULD LEAD TO SIGNIFICANT FLARES.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO PERSIST AT UNSETTLED LEVELS THROUGHOUT THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 14 SEP-16 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 SEP 070

PREDICTED 14 SEP-16 SEP 070/070/070

90 DAY MEAN 13 SEP 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 SEP 005/008

ESTIMATED AFR/AP 13 SEP 010/011

PREDICTED AFR/AP 14 SEP-16 SEP 010/015-010/015-010/015

SOLTERWARN

BT