

HFUS 1 BOU 141300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 257A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 14 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
13/1200Z TO 14/1200Z: SOLAR ACTIVITY HAS BEEN LOW. FLARE
ACTIVITY HAS BEEN REPORTED IN SEVERAL REGIONS BUT IT HAS ALL
BEEN SUBFLARE CLASS. INTEREST REMAINS FOCUSED ON THE EAST LIMB
WHERE REGION 3908 (N19E80) CONTINUES TO ROTATE ONTO THE DISK.
SURGING IS ACCOMPANYING THIS REGION ONTO THE DISK WITH THE
IMPLICATION THAT ADDITIONAL SPOTS ARE YET BEHIND THE LIMB.
LITTLE OR NO CHANGE HAS OCCURRED IN THE OTHER VISIBLE REGIONS.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD START TO
SLOWLY INCREASE AS REGION 3908 GETS FULLY ON THE DISK AND OLD
REGION 3870 MAKES ITS RETURN ON 15 SEPT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED TO ACTIVE. GENERALLY UNSETTLED TO ACTIVE
CONDITIONS SHOULD CONTINUE.

III. EVENT PROBABILITIES 15 SEP-17 SEP

CLASS M	40/40/40
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	13 SEP	149
ESTIMATED	14 SEP	148
PREDICTED	15 SEP-17 SEP	147/147/150
90 DAY MEAN	13 SEP	166

V. GEOMAGNETIC A INDICES

OBSERVED	AFR	12 SEP	013	AP	13 SEP	015
ESTIMATED	AFR	13 SEP	017	AFR/AP	14 SEP	013/016
PREDICTED	AFR/AP	15 SEP-17 SEP	013/020-013/015-010/020			

SOLTERWARN

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HFUS 3 BOU 142200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 257B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 14 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200Z TO 14/2100Z: SOLAR ACTIVITY REMAINS LOW. REGION 3908
(N18E73) PRODUCED THE LARGEST EVENT DURING THE NINE HOUR
PERIOD, A C2/SN AT 2022Z MAXIMUM. THIS REGION HAS BEEN THE MOST
DYNAMIC OF THE DISK REGIONS DURING THE PERIOD, DISPLAYING PLAGE
FLUCTUATIONS AND SURGING AT THE LIMB BEHIND THE MAIN PLAGE
AREA. REGION 3901 (S13E14) IS THE MOST MAGNETICALLY COMPLEX OF
THE DISK REGIONS WITH A SMALL DELTA CONFIGURATION LOCATED IN
ITS CENTRAL PORTION, BUT THIS HAS FAILED TO PRODUCE FLARE
ACTIVITY DURING THE PERIOD. THE REMAINING DISK REGIONS HAVE
SHOWN LITTLE CHANGE. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW. OLD ACTIVE REGION 3870 (N15, CARRINGTON 129) IS
DUE TO APPEAR AT EAST LIMB BY MID-DAY ON THE 15TH, AND COULD
INCREASE ACTIVITY SLIGHTLY AFTER THAT TIME.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED DURING THE PERIOD. NO CHANGE IS EXPECTED DURING
THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 15 SEP-17 SEP

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 SEP 146

PREDICTED 15 SEP-17 SEP 146/146/147

90 DAY MEAN 14 SEP 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 SEP 014/015

ESTIMATED AFR/AP 14 SEP 012/016

PREDICTED AFR/AP 15 SEP-17 SEP 013/014-013/015-010/015

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