

HFUS 1 BOU 151300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 227A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 15 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200Z TO 15/1200Z: SOLAR ACTIVITY HAS BEEN LOW. THE COMPLEX
OF REGIONS 3837 (N10W75) AND 3839 (N13W59) IS SHOWING
OCCASIONAL PLAGE FLUCTUATIONS AND WILL UNDOUBTEDLY REMAIN
CAPABLE OF ENERGETIC ACTIVITY UNTIL WEST LIMB PASSAGE. REGION
3856 (S12E02) CONTINUES TO GROW. THIS IS NOW THE LARGEST REGION
ON THE DISK AND WILL PROBABLY BE THE FOCUS OF ATTENTION AFTER
THE DEPARTURE OF 3837/3839. A SMALL REGION NEAR N08W25 WAS
NUMBERED 3861 AND EMERGING FLUX IS ALSO EVIDENT NEAR N08W10.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL PROBABLY
REMAIN LOW BUT ISOLATED M-FLARES SHOULD BE GUARDED FOR.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD IS
QUIET. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT
THREE DAYS.

III. EVENT PROBABILITIES 16 AUG-18 AUG

CLASS M 40/35/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 172

ESTIMATED 15 AUG 160

PREDICTED 16 AUG-18 AUG 150/145/137

90 DAY MEAN 14 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR 13 AUG 012 AP 14 AUG 012

ESTIMATED AFR 14 AUG 010 AFR/AP 15 AUG 008/012

PREDICTED AFR/AP 16 AUG-18 AUG 012/013-010/013-008/013

SOLTERWARN

BT

HFUS 3 BOU 152200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 227B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 15 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
15/1200Z TO 15/2100Z: SOLAR ACTIVITY HAS BEEN LOW. NO MAJOR
FLARES OR SOLAR XRAY EVENTS HAVE BEEN REPORTED DURING THE PAST
NINE HOURS. ONLY VERY MINOR PLAGE FLUCTUATIONS HAVE BEEN
OBSERVED PRIMARLY FROM REGION 3856 (S12W04). THE LARGE
COMPLEX CONSISTING OF REGIONS 3837 (N08W84) AND 3839 (N12W64)
HAS REMAINED STABLE AS IT BEGINS ITS TRANSIT OVER THE WEST
LIMB. NEW REGION 3861 (N08W18) WAS ADDED TO THE LIST OF
SPOTTED REGIONS CURRENTLY ON THE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW OVER THE NEXT THREE DAYS. ALTHOUGH REGION 3856
CONTINUES TO RAPIDLY GROW IT IS RATHER SIMPLE MAGNETICALLY AND
POSES LESS THEN AN EVEN CHANCE OF ENERGETIC FLARE ACTIVITY.
WITH THE EXCEPTION OF THE PREVIOUSLY MENTIONED GROWTH IN REGION
3861 THE OTHER REGIONS REMAIN STABLE AND INACTIVE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET AND IS EXPECTED TO CONTINUE AT QUIET LEVELS OVER
THE NEXT SEVERAL DAYS.

III. EVENT PROBABILITIES 16 AUG-18 AUG

CLASS M 40/35/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 AUG 169

PREDICTED 16 AUG-18 AUG 161/154/147

90 DAY MEAN 15 AUG 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 AUG 007/012

ESTIMATED AFR/AP 15 AUG 007/009

PREDICTED AFR/AP 16 AUG-18 AUG 007/013-007/013-010/013

SOLTERWARN

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