

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 PRIMARILY 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

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