

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 PLAGUE 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 N03W10.

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

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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 THAN 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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