

HFUS 1 BOU 011300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 335A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 01 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/1200Z TO 01/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THE PAST 24 HOURS. ONLY SMALL C-CLASS EVENTS HAVE BEEN OBSERVED. THE LARGEST WAS A C2/SF FROM REGION 4005 (S11E14) ONLY MINOR RADIO WAS OBSERVED WITH THIS EVENT. REGIONS 4005 AND 4007 (S15W05) HAVE BOTH BECOME STABLE THIS PERIOD ONLY REGION 4007 MAINTAINS ANY MAGNETIC COMPLEXITY, BETA GAMMA. REGION 4010 (N10E65) IS NOW A "E" TYPE GROUP HOWEVER IT IS ONLY A BETA, A FEW MINOR POINT FLUCTUATION HAVE BEEN NOTED IN THIS REGION. A FEW MINOR SURGES HAVE BEEN REPORTED AT NE07 THIS MAY INDICATE AN OTHER MINOR GROUP READY TO ROTATE OVER THE LIMB. THE REST OF THE DISK LITTLE CHANGED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DURING THIS FORECAST PERIOD. REGIONS 4007 AND 4010 MAY PRODUCE AN ISOLATED M-CLASS EVENT. HOWEVER THIS IS BECOMING LESS LIKELY AS THE REGIONS CONTINUE TO STABILIZE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO QUIET AT THE MIDLATITUDE STATIONS WHILE THE HIGH LATITUDE STATIONS, UNTIL APPROXIMATELY 0000UT, WERE AT ACTIVE TO MAJOR STORM LEVELS. THEY HAVE BEEN UNSETTLED TO QUIET SINCE THAT TIME. AS NOTHING HAS HAPPENED TO CAUSE A DISTURBANCE IN THE GEOMAGNETIC FIELD THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED WITH QUIET PERIODS DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 02 DEC-04 DEC

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 NOV 170

ESTIMATED 01 DEC 165

PREDICTED 02 DEC-04 DEC 165/160/158

90 DAY MEAN 30 NOV 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR 29 NOV 026 AP 30 NOV 019

ESTIMATED AFR 30 NOV 015 AFR/AP 01 DEC 005/010

PREDICTED AFR/AP 02 DEC-04 DEC 010/010-010/010-012/015

SOLTERWARN

BT

*Minor  
prob  
phil*

HFUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 335B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/1200Z TO 01/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 9 HOURS. THE ONLY OBSERVED C-CLASS ACTIVITY WAS A SUBNORMAL FLARE FROM REGION 4005 (S11E09). THE NORTHEAST PORTION OF THE LARGE LEADER SPOT IN THIS REGION IS SPLITTING OFF. REGION 4007 (S14W10), WHICH MAY BE A COMPLEX OF SMALL BIPOLE GROUPS, IS CONTINUING TO GROW SLOWLY IN WHITE LIGHT. NEW REGION 4011 (N17W70) EMERGED ON THE DISK AND IS NOW A C-TYPE GROUP. THE ONLY OTHER SPOTTED REGION ON THE SUN, 4010 (N09E60), IS QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 9 HOURS. GENERALLY QUIET CONDITIONS ARE EXPECTED TO PERSIST FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 02 DEC-04 DEC

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 173

PREDICTED 02 DEC-04 DEC 170/170/170

90 DAY MEAN 01 DEC 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 NOV 012/019

ESTIMATED AFR/AP 01 DEC 003/015

PREDICTED AFR/AP 02 DEC-04 DEC 010/010-010/010-010/015

SOLTERWARN

BT