

BT  
HFUS 1 BOU 251300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 268A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 25 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
24/1200Z TO 25/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS  
3922(N15E64) AND 3923(S02E74) MOVED ONTO THE SOLAR DISK IN A  
SOMEWHAT DISTURBED STATE WITH SURGING AND INTENSE PLAGE. THEY  
NOW GIVE INDICATION OF RELATIVELY SIMPLE  
STRUCTURES. PENDING FURTHER DEVELOPMENT IN THESE REGIONS THEY  
APPEAR INCAPABLE OF MAJOR ACTIVITY. REGIONS 3920(206W27) AND  
3921(S20E67) APPEAR STABLE. REMAINING REGIONS ALL APPEAR TO BE  
DECLINING.

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN DECLINING RAPIDLY FROM ACTIVE TO QUIET LEVELS. THE FIELD  
IS EXPECTED TO BE QUIET EARLY AND BACK TO ACTIVE LEVELS BY THE  
END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M	25/25/30
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	24 SEP	166
ESTIMATED	25 SEP	175
PREDICTED	26 SEP-28 SEP	183/188/192
90 DAY MEAN	24 SEP	161

V. GEOMAGNETIC A INDICES

OBSERVED	AFR	23 SEP	020	AP 24 SEP	022
ESTIMATED	AFR	24 SEP	015	AFR/AP 25 SEP	008/011
PREDICTED	AFR/AP	26 SEP-28 SEP	012/015-016/015-018/015		

SOLTERWARN

BT

HFUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 268B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 25 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
25/1200Z TO 25/2100Z: SINCE THE LAST REPORT AT 12Z SOLAR  
ACTIVITY HAS REMAINED AT LOW LEVELS. ONLY MINOR PLAGE  
FLUCTUATIONS AND WEAK C-CLASS XRAY FLARES HAVE BEEN OBSERVED.  
WHILE REGIONS ON THE WESTERN HALF OF THE DISK ARE GENERALLY  
DECLINING SLOW GROWTH HAS CONTINUED TO MANIFEST ITSELF EAST OF  
CENTRAL MERIDIAN. REGION 3922 (N14E55) HAS MORE THAN  
QUADRUPLED IN SIZE SINCE YESTERDAY WITH FURTHER GROWTH  
ANTICIPATED. ADDITIONALLY A NEW REGION 3924 (S18E73) APPEARS  
TO HAVE ROTATED ONTO THE DISK. OTHER REGIONS NOT MENTIONED  
HAVE REMAINED STABLE AND UNINTERESTING.

IB. SOLAR ACTIVITY FORECAST: DESPITE THE SLOW GROWTH ON THE  
EASTERN HALF OF THE SUN ALL OF THE REGIONS ON THE DISK ARE  
MAGNETICALLY SIMPLE AND INCAPABLE OF MAJOR FLARE ACTIVITY.  
THEREFORE SOLAR ACTIVITY IS EXPECTED TO REMAIN AT GENERALLY LOW  
LEVELS OVER THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN GENERALLY UNSETTLED DURING THE DAY. THE FIELD IS EXPECTED  
TO REMAIN UNSETTLED EARLY IN THE FORECAST PERIOD WITH A GRADUAL  
TREND TOWARDS ACTIVE CONDITIONS BY THE THIRD DAY.

III. EVENT PROBABILITIES 26 SEP-28 SEP

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 SEP 170

PREDICTED 26 SEP-28 SEP 173/176/178

90 DAY MEAN 25 SEP 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 SEP 014/022

ESTIMATED AFR/AP 25 SEP 010/011

PREDICTED AFR/AP 26 SEP-28 SEP 012/013-016/012-018/015

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