

HFUS 1 BOU 261300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 269A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 26 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
25/1200Z TO 26/1200Z: SOLAR ACTIVITY HAS BEEN LOW. REGION  
3919(S09E32) PRODUCED A C3/SB FLARE AT 25/1442Z. REMAINING  
ACTIVITY CONSISTS OF SUBFAINT OPTICAL FLARES WITH SMALL C CLASS  
XRAY AT BEST. THERE IS VISIBLE GROWTH IN REGIONS 3919 AND  
3922(N14E50). REMAINING REGIONS ARE STABLE OR DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.  
NO REGIONS PRESENTLY IN VIEW SEEM CAPABLE OF MAJOR ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETTLED UNTIL RECENT HOURS. MINOR STORM CONDITIONS HAVE  
BEGUN AS OF ISSUE TIME AND ACTIVE CONDITIONS WITH BRIEF PERIODS  
AT MINOR STORM LEVEL ARE EXPECTED EARLY IN THE FORECAST PERIOD.  
ACTIVE TO UNSETTLED CONDITIONS SHOULD FOLLOW TOWARD THE END OF  
THE PERIOD.

III. EVENT PROBABILITIES 27 SEP-29 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

ESTIMATED 26 SEP 175

PREDICTED 27 SEP-29 SEP 176/178/182

90 DAY MEAN 25 SEP 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 SEP 014 AP 25 SEP 011

ESTIMATED AFR 25 SEP 010 AFR/AP 26 SEP 016/035

PREDICTED AFR/AP 27 SEP-29 SEP 016/015-013/015-012/015

SOLTERWARN

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HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 269B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 SEP 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/1200Z TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ONLY MINOR X-RAY FLARE ACTIVITY HAS OCCURRED THIS PERIOD. REGION 3917 (N15E30) AND 3923 (S03E58) HAVE SHOWN GROWTH AND HAVE ASSOCIATED ARCH FILAMENT SYSTEMS. REGION 3922 (N14E46) NOW HAS A BETA-GAMMA MAGNETIC CONFIGURATION. A DSF WAS ASSOCIATED WITH REGION 3919 (S11E25) AND THE LEADER PORTION OF THE GROUP HAS REFORMED IN THE SAME CHANNEL. NEW REGIONS NUMBERED THIS PERIOD ARE 3925 (S11W20) AND 3926 (N10E70), WITH BXO AND CRO SPOT CLASSIFICATIONS, RESPECTIVELY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE LOW. THE REGIONS ON THE DISK SHOW SOME GROWTH AND OTHER SIGNS FOR INCREASED ACTIVITY BUT NOTHING SIGNIFICANT ENOUGH TO EXPECT MODERATE LEVEL ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS WITH OCCASIONAL MAJOR STORM LEVEL ACTIVITY. THE ACTIVITY IS ASSOCIATED WITH A DSF THAT OCCURRED ON 23 SEPTEMBER, LOCATED AT N25W45. ACTIVITY SHOULD DROP EARLY TOMORROW TO ACTIVE CONDITIONS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 27 SEP-29 SEP

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEP 186

PREDICTED 27 SEP-29 SEP 188/190/192

90 DAY MEAN 26 SEP 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 SEP 011/011

ESTIMATED AFR/AP 26 SEP 041/065

PREDICTED AFR/AP 27 SEP-29 SEP 025/040-020/025-025/030

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