

HFUS 1 BOU 161300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 320A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 16 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
15/1200Z TO 16/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE. TWO
REGIONS HAVE CONTRIBUTED TO SIGNIFICANT ACTIVITY THIS PERIOD.
REGION 3987(S10W16) PRODUCED THE FOLLOWING FLARES: M1/1B AT
15/1601Z, C3/0B AT 15/1832Z, C2/2N AT 15/2130Z AND AN M2/1N AT
16/0340Z. REGION 3994(S14E45) FLARED TO C8/0B AT 16/0257Z.
REGION 3987 HAS REMAINED PLAGE ENHANCED SINCE FLARING AND XRAY
BACKGROUND HAS BEEN SOMEWHAT ELEVATED. THE REGION IS REPORTED
TO BE STABLE AND VERY COMPLEX WITH AT LEAST TWO DELTAS STILL
PRESENT. THE REGION APPEARS CAPABLE OF MAJOR FLARE ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN
MODERATE WITH A POSSIBLE MAJOR FLARE RAISING ACTIVITY TO A HIGH
LEVEL BRIEFLY. OTHER REGIONS APPEAR INCAPABLE OF MAJOR
ACTIVITY. WITH THE EXCEPTION OF REGION 3994, M CLASS FLARE
SOURCES APPEAR ABSENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED. RECENT FLARE ACTIVITY HAS FAILED TO INFLUENCE
THE FIELD AS EXPECTED. UNSETTLED CONDITIONS SHOULD CONTINUE
THROUGH THE FORECAST PERIOD. MAJOR FLARE ACTIVITY IF IT OCCURS
AND CAUSES A GEOMAGNETIC RESPONSE SHOULD SHOW THIS RESPONSE
ONLY AFTER THE END OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 17 NOV-19 NOV

CLASS M 90/80/80

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 NOV 161

ESTIMATED 16 NOV 158

PREDICTED 17 NOV-19 NOV 156/155/155

90 DAY MEAN 15 NOV 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR 14 NOV 011 AP 15 NOV 013

ESTIMATED AFR 15 NOV 012 AFR/AP 16 NOV 012/020

PREDICTED AFR/AP 17 NOV-19 NOV 012/020-012/020-012/020

SOLTERWARN

BT

HFUS 3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 320B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
16/1200Z TO 16/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE THIS
PERIOD. THE LARGEST FLARE WAS A M2/1B AT 2114Z FROM REGION
3987 (S11W23). ALL OTHER REGIONS WERE QUIET DURING THE
PERIOD. REGION 3987 HAS DECREASED SLIGHTLY IN WHITE LIGHT
AREA, BUT RETAINS ITS BETA-GAMMA-DELTA MAGNETIC CONFIGURATION

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
MODERATE THROUGHOUT THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED THIS PERIOD. AT MID LATITUDES THE FIELD IS
EXPECTED TO REMAIN UNSETTLED, BUT OVERALL IT IS EXPECTED TO
BECOME ACTIVE.

III. EVENT PROBABILITIES 17 NOV-19 NOV

CLASS M 90/80/80

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 NOV 167

PREDICTED 17 NOV-19 NOV 167/167/167

90 DAY MEAN 16 NOV 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 NOV 013/013

ESTIMATED AFR/AP 16 NOV 009/012

PREDICTED AFR/AP 17 NOV-19 NOV 012/020-012/020-012/020

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