

HFUS 1 BOU 231235
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 266A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 23 SEPT 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
22/1200Z TO 23/1200Z:

SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. REGION 3344
(N10W16) HAS BEEN THE SOLE REPORTED SOURCE OF ACTIVITY. A
C5/SB FLARE OCCURRED AT 23/0712Z. THE REGION REMAINS STABLE,
MAGNETICALLY SLIGHTLY COMPLEX. OTHER REGIONS OF INTEREST ARE
3347 (S07W04), 3359 (S09E52), 3360 (S14E68). DECAY IS OBSERVED
IN REGION 3347, IT REMAINS MAGNETICALLY SLIGHTLY COMPLEX, AND IS
THE LARGEST REGION BEING OBSERVED IN WHITE LIGHT. REGIONS 3359
AND 3360 APPEAR LESS IMPRESSIVE AS THEY MOVE AWAY FROM THE
FAST LIMB. NONE OF THESE REGIONS APPEARS CAPABLE OF MAJOR
ACTIVITY. REMAINING REGIONS APPEAR INCAPABLE OF SIGNIFICANT
ACTIVITY.

II. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY MAY BE EXPECTED TO REMAIN LOW. OF RETURNING
REGIONS DUE, THE FIRST EXPECTED THAT PRODUCED SIGNIFICANT ACTIVITY
WAS 3310. THIS OLD REGION IS DUE ON 27 SEPT.

III. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN AT LOW UNSETTLED LEVELS AND HAS
DRIFTED INTO QUIET LEVELS DURING THE EARLY HOURS OF 23 SEPT.
THE FIELD IS EXPECTED TO REMAIN AT QUIET TO LOW UNSETTLED LEVELS
DURING THE FORECAST INTERVAL. THE CORONAL HOLE RECURRANCE WHICH
IS A LIKELY CAUSE OF RECURRENT UNSETTLED TO ACTIVE CONDITIONS
AT THIS TIME IN THE SOLAR ROTATION IS NO LONGER EVIDENT AND IS
ASSUMED TO HAVE CEASED.

IV. EVENT PROBABILITIES: 24 - 26 SEPT.

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA +0.7 FLUX

OBSERVED 22 SEP 182

ESTIMATED 23 SEP 175

PREDICTED 24-26 SEP 170/168/165

90 DAY MEAN 22 SEP 209

VI. GEOMAGNETIC A INDICES

OBSERVED AFR 21 SEP 05 AP 22 SEP 15

ESTIMATED AFR 22 SEP 13 AFR/AP 23 SEP 08/10

PREDICTED AFR/AP 24-26 SEP 06/10 08/10 08/08

SOLTERWARN

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HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDE NUMBER 266B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 23 SEPTEMBER 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/1200Z TO 23/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ONLY VERY SMALL CLASS C X-RAY EVENTS HAVE BEEN REPORTED. REGIONS 3344 (N11W22), 3347 (S08W69), 3359 (S09E45), AND 3360 (S14E59) ARE DECAYING SLOWLY AND SIMPLIFYING IN STRUCTURE. TWO SMALL NEW REGIONS WERE NUMBERED TODAY, REGION 3161 (S07E12) AND 3362 (N17E29).

II. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL FOR THE NEXT THREE DAYS.

III. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED THE PAST 10 HOURS. QUIET TO SLIGHTLY UNSETLED CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

IV. EVENT PROBABILITIES 24 SEPTEMBER - 26 SEPTEMBER

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA 10.7 CM FLUX

OBSERVED 23 SEPTEMBER 183

PREDICTED 24-26 SEPTEMBER 178/175/170

90-DAY MEAN 23 SEPTEMBER 209

VI. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 SEPTEMBER 12/15

ESTIMATED AFR/AP 23 SEPTEMBER 06/10

PREDICTED AFR/AP 24-26 SEPTEMBER 06/10 - 08/10 - 08/08

SOLAR/WARN

BT