

HFUS 1 POU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDE NUMBER 271 A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 SEPT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
27/1200Z TO 28/1200Z:

SOLAR ACTIVITY HAS BEEN LOW. ONLY "C" CLASS ACTIVITY HAS BEEN OBSERVED DURING THE PAST 24 HOURS. THE VISIBLE DISK IS IMPRESS IN WHITE LIGHT WITH 17 SPOT GROUPS PRESENT. H-ALPHA STRUCTURE NOT IMPRESSIVE AS THE PLAGES ARE MOSTLY SMALL AND WASHED OUT IN APPEARANCE. THE TWO PLAGES THAT DO HAVE SOME ORGANIZATION AND SIZE, 3361 (N08W48) AND 3368 (N08W07), ARE GROWING SLOWLY, FLUCTUATING IN BRIGHTNESS, AND IN GENERAL OFFER SOME PROMISE OF BECOMING COMPLEX.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY SHOULD REMAIN LOW BUT THE BEHAVIOR OF 3361 AND 3368 COULD RESULT IN ISOLATED "M" ACTIVITY. OLD REGION 3317 SHOULD RETURN TO THE VISIBLE DISK ON 30 SEPTEMBER ADDING TO THE POTENTIAL FOR ENERGETIC ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. CONTINUED QUIET TO UNSETLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES: 29 SEP - 01 OCT

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 27 SEP 194

ESTIMATED 28 SEP 200

PREDICTED 29 SEP - 01 OCT 203/207/220

90 DAY MEAN 27 SEP 209

V. GEOMAGNETIC ACTIVITY INDICES

OBSERVED AFR 26 SEP 27 AP 27 SEP 25

ESTIMATED AFR 27 SEP 18 AFR/AP 28 SEP 08/12

PREDICTED AFR/AP 29 SEP - 01 OCT 09/10 10/08 08/08

SOLARFLARE WARN

BT

HEUS 3 POU 282200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 271B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 SEPTEMBER 1981

I.A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/1200Z
TO 28/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. REGION 3368
(N08W12) PROVIDED THREE SUBFLARES AND HAS SHOWN CONTINUING
DEVELOPMENT. A C8/1B FLARE WAS OBSERVED FROM REGION 3361 (S08W55)
MAXING AT 1213Z. NEW REGION 3374 (S18E71), A C-TYPE GROUP,
ROTATED OVER THE EAST LIMB TODAY.

I.B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW WITH THE POSSIBILITY OF ISOLATED M-CLASS ACTIVITY FROM FOUR
OF THE SEVENTEEN SPOTTED GROUPS PRESENTLY ON THE VISIBLE DISK.

I.I. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET FOR THE PAST 9 HOURS. QUIET TO MILDLY UNSETLED
CONDITIONS ARE EXPECTED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 29 SEPTEMBER - 01 OCTOBER

CLASS M	50/50/50
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	28 SEPTEMBER 200
PREDICTED	29 SEPTEMBER - 01 OCTOBER 203/207/220
90-DAY MEAN	28 SEPTEMBER 209

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP	27 SEPTEMBER 16/25
ESTIMATED AFR/AP	28 SEPTEMBER 08/10
PREDICTED AFR/AP	29 SEPTEMBER - 01 OCTOBER 09/10 - 10/08 - 08/08
SOLAR/WARN	
RT	