

HFUS 1 BOU 131300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 164A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 13 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
12/1200UT TO 13/1200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY
SEVEN SMALL C-CLASS SUBFLARES HAVE BEEN OBSERVED DURING THAT
TIME FROM THE SIX SPOTTED REGIONS ON THE VISIBLE DISK. REGION
3159 (S25E45) HAS NOT FLARED, BUT IT HAS A MAGNETIC DELTA
CONFIGURATION AND AT LEAST ONE VERY STRONG SPOT (2400 GAUSS).

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW. HOWEVER, THE
DELTA CONFIGURATION MUST EVENTUALLY RESOLVE ITSELF AND WHEN
THAT HAPPENS (IN THE NEXT 3 OR 4 DAYS PROBABLY) THERE IS A
GOOD CHANCE OF M-CLASS FLARE ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETLED. THE
FIELD IS EXPECTED TO BE UNSETLED FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES: - 14 JUNE - 16 JUNE 1981

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 12 JUNE 147

ESTIMATED 13 JUNE 149

PREDICTED 14-16 JUNE 151/152/154

90 DAY MEAN 12 JUNE 198

V. GEOMAGNETIC INDICES

OBSERVED AFR 11 JUNE 08 AP 12 JUNE 06

ESTIMATED AFR 12 JUNE 04 AFR/AP 13 JUNE 07/08

PREDICTED AFR/AP 14-16 JUNE 11/20 09/15 08/18

SOLAR/WARN

BT

HEUS 3 EOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDE NUMBER 164B

JG INT USAF/NCAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 13 JUNE 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/1200UT
TO 13/2200UT:

SOLAR ACTIVITY HAS BEEN LOW. ONLY SUBFLARES WITH NEGLIGIBLE XRAY
EMISSION HAS BEEN OBSERVED FROM REGIONS 3162 (N07E51), 3152
(N12W23), 3158 (S23E19), 3161 (S19E54). NEW REGIONS NUMBERED TODAY
ARE 3163 (N14W11), 3164 (N19E15) AND 3165 (N12W09). ALL ARE SMALL
REGIONS WHICH DEVELOPED ON THE DISK.

II. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS APPEAR LITTLE
CHANGED IN RECENT HOURS.

III. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET. GEOMAGNETIC ACTIVITY IS EXPECTED
TO BE UNSETTLED DURING THE FORECAST PERIOD.

IV. EVENT PROBABILITIES: 14 - 16 JUNE

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA 10.7 FLUX

OBSERVED 13 JUNE 148

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VI. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 JUNE 04/06

ESTIMATED AFR/AP 13 JUNE 07/08

PREDICTED AFR/AP 14 - 16 JUNE 11/20 09/15 08/18

SOLTERWARN

PT