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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 162B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 UT 11 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/1200 UT
TO 11/2200 UT: SOLAR ACTIVITY HAS BEEN LOW. THE PRINCIPAL SOURCE
OF ACTIVITY HAS BEEN FROM REGION 3159 (S26E64). A C6/1N FLARE
BEGAN AT 11/1856, RISING SLOWLY TO MAXIMUM AT 2020Z AND IS
DECLINING SLOWLY. THE EVENT IS IN PROGRESS AT 2100Z. A NEW REGION
3160 (N16E27) APPEARED ON THE DISK TODAY. BRIEF RAPID DEVELOPMENT
IN REGION 3157 (S-6E25) HAS APPARENTLY CEASED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT LOW
LEVELS WITH A POSSIBLE SLIGHT INCREASE DUE TO REGIONS ARRIVING
OVER THE EAST LIMB, AND DUE TO FURTHER ACTIVITY IN REGION 3159
WHICH IS REVERSE POLARITY AND IN CLOSE PROXIMITY TO REGION 3158
(S24E44) AND A PRESENTLY ARRIVING REGION AT SE28.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET TO NEAR UNSETTLED LEVELS, AND IS EXPECTED TO SHOW
INCREASING ACTIVITY TOWARD UNSETTLED TO NEAR ACTIVE LEVELS DURING
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 JUNE - 14 JUNE

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUNE 150

PREDICTED 12-14 JUNE 160/163/166

90-DAY MEAN 11 JUNE 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JUNE 06/06

ESTIMATED AFR/AP 11 JUNE 07/08

PREDICTED AFR/AP 12-14 JUNE 15/20 - 15/20 - 12/20

SOLTERWARN

BT

WFOUS 1 BCU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 162A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1200UT 11 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200UT TO 11/1200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY A
FEW SMALL C-CLASS SUPERFLARES HAVE BEEN OBSERVED DURING THAT
PERIOD. REGION 3152 (N13E10) WHICH PRODUCED THE M2 BURST AT
10/0628UT NOW APPEARS STABLE. REGION 3157 (S26E33) IS THE
ONLY REGION THAT IS SHOWING RAPID GROWTH AND THAT GROWTH IS
NOT EXPECTED TO CONTINUE. THE REGION IS STILL QUITE SMALL AND
UNIMPRESSIONING.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW. THE REGIONS
CURRENTLY ON THE VISIBLE DISK DO NOT HAVE THE POTENTIAL FOR
A MAJOR FLARE BUT COULD PRODUCE A VERY INFREQUENT SMALL M-
CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS GENERALLY QUIET DURING THE LAST 24
HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO MILDLY ACTIVE
FOR THE NEXT 60 HOURS.

III. EVENT PROBABILITIES: 12 JUNE - 14 JUNE 1981

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 10 JUNE 152

ESTIMATED 11 JUNE 156

PREDICTED 12-14 JUNE 160/163/166

90 DAY MEAN 10 JUNE 159

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 JUNE 07 AP 10 JUNE 06

ESTIMATED AFR 10 JUNE 06 AFR/AP 11 JUNE 09/10

PREDICTED AFR/AP 12-14 JUNE 15/20 15/20 12/20

SOLTERWARM

BT