

HFUS 3 BOU 122200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 163B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0200Z 12 JUNE 1981

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/1200UT TO 12/2200UT:

SOLAR ACTIVITY HAS BEEN LOW. NO SIGNIFICANT ACTIVITY HAS OCCURRED SINCE 1200UT. REGION 3159 (S25E51) HAS GROWN IN AREA AND IS NOW A PIETA-GAMMA-DELTA MAGNETIC CONFIGURATION. REGIONS 3152 (N12W10), AND 3158 (S23E30) HAVE EXHIBITED ACTIVE IMBEDDED FILAMENTS, AND A FILAMENT IN THE SOUTHWEST PART OF REGION 3152 HAS DISAPPEARED SINCE YESTERDAY. REGION 3152 SHOWS EVIDENCE OF BEGINNING A SLIGHT REBIRTH.

I B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE PENDING FURTHER DEVELOPMENT OF REGIONS ON THE DISK. THE MOST LIKELY SOURCE OF ACTIVITY REMAINS IN REGION 3159.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS DECLINED TO QUIET LEVELS. IT IS EXPECTED TO BE QUIET WITH POSSIBLE BRIEF PERIODS AT LOW UNSETTLED LEVELS.

III. EVENT PROBABILITIES 13-15 JUN

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUN 147

PREDICTED 13-15 JUN 145/143/142

90-DAY MEAN 12 JUN 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUN 08/07

ESTIMATED AFR/AP 12 JUN 05/08

PREDICTED AFR/AP 13-15 JUN 11/20 - 11/20 - 09/15

SOLTERWARN

BT

HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 163A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 12 JUNE 1981

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
11/1200UT TO 12/1200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. TWO
MEDIUM-SIZED C-CLASS EVENTS HAVE OCCURRED. ONE WAS A C6/IN IN
REGION 3159 (S26E57) AT 11/2022UT MAXIMUM. THE OTHER WAS A C4-
IN IN REGION 3157 (S26E18) AT 12/0017UT MAXIMUM. REGION 3157
SEEMS TO HAVE STABILIZED. REGION 3159 HAS REVERSED POLARITY
AND APPEARS TO BE GROWING. TWO NEW REGIONS, REGION 3161 (S21E80)
AND REGION 3162 (N08E82), HAVE MOVED INTO VIEW OVER THE EAST LIMB
JR. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. 10 CENTIMETER RADIO
FLUX VALUES ARE EXPECTED TO CLIMB SLOWLY AS REGIONS ARRIVE AT
THE EAST LIMB AND DEVELOP ON THE DISK.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET DURING THE LAST
24 HOURS. THE FIELD IS EXPECTED TO BE UNSETLED FOR THE NEXT
72 HOURS.

III. EVENT PROBABILITIES: 13 JUNE - 15 JUNE

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10⁻⁷ FLUX

OBSERVED 11 JUNE 150

ESTIMATED 12 JUNE 156

PREDICTED 13-15 JUNE 160/163/166

90 DAY MEAN 11 JUNE 198

V. GEOMAGNETIC A INDICES

OBSERVED AFR 10 JUNE 06 AP 11 JUNE 07

ESTIMATED AFR 11 JUNE 09 AFR/AP 12 JUNE 06/10

PREDICTED AFR/AP 13-15 JUNE 11/20 11/20 09/15

SOLTERWARN

PT