

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

IA. 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 BETA-GAMMA-DELTA MAGNETIC CONFIGURATION. REGIONS 3152 (N12W10), AND 3158 (S23E30) HAVE EXHIBITED ACTIVE IMPEREDDED FILAMENTS, AND A FILAMENT IN THE SOUTHWEST PART OF REGION 3152 HAS DISAPPEARED SINCE YESTERDAY. REGION 3152 SHOWS EVIDENCE OF BEGINNING A SLIGHT REBIRTH.

IB. 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

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HEUS 1 BOW 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

IA. 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 11/2029UT 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.

IB. 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.

IJ. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET DURING THE LAST  
24 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED 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

BT