

HFUS 1 BCU 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 UNSETTLED. THE  
FIELD IS EXPECTED TO BE UNSETTLED 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 A 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

SOLTERWARN

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HFHS 3 00U 132200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 164F

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200UT 13 JUNE 1981

IA. 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 3152 (N07E51), 3152  
(N12W23), 3158 (S03E19), 3161 (S19E54). NEW REGIONS NUMBERED TODAY  
ARE 3163 (N14W11), 3164 (N19E15) AND 3165 (N12W09). ALL ARE SMALL  
REGIONS WHICH DEVELOPED ON THE DISK.

IB. SOLAR ACTIVITY FORECAST:

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

II. GEOPHYSICAL SUMMARY AND FORECAST:

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

III. EVENT PROBABILITIES: 14 - 16 JUNE

CLASS M 25/30/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 13 JUNE 148

PREDICTED 14 - 16 JUNE 151/152/154

90 DAY MEAN 13 JUNE 197

V. GEOMAGNETIC A INDICES

OBSERVED APR/AP 12 JUNE 04/06

ESTIMATED APR/AP 13 JUNE 07/08

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

SOLTERWARN

BT

