

HFUS 1 BOU 191300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 19 JUN 1981

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/1200UT
TO 19/1200UT:

SOLAR ACTIVITY HAS BEEN LOW SINCE 18/1200UT. ONLY SUBFAINT
FLARES HAVE OCCURRED IN REGIONS 3158 (S22W53), 3161 (S20W16),
3165 (N16W84), AND 3167 (S28E33). ALTHOUGH REGIONS 3159 (S26W34)
AND 3161 ARE THE MOST SIGNIFICANT REGIONS ON THE DISK, THEIR
MAGNETIC GRADIENTS AND CURRENT ACTIVITY LEVELS ARE UNIMPRESSIVE.

I B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED FOR THE PAST 24
HOURS AND IS EXPECTED TO REMAIN THE SAME FOR THE NEXT 24 HOURS.
INCREASINGLY UNSETTLED CONDITIONS ARE EXPECTED 21 AND 22 JUNE.

III. EVENT PROBABILITIES 20-22 JUN

CLASS M 35/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUN 165

ESTIMATED 19 JUN 160

PREDICTED 20-22 JUN 156/150/147

90-DAY MEAN 18 JUN 196

V. GEOMAGNETIC A INDICES

OBSERVED AFR 17 JUN 13 AP 18 JUN 12

ESTIMATED AFR 18 JUN 09 AFR/AP 19 JUN 08/10

PREDICTED AFR/AP 20-22 JUN 08/08 - 12/15 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200UT 19 JUN 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/1200UT
TO 19/2200UT :

SOLAR ACTIVITY CONTINUED LOW DURING THE PAST 24 HOURS. NO
OPTICAL FLARES WERE OBSERVED DURING THE PERIOD ALTHOUGH THERE WAS
INTERMITTENT SEEING AT SEVERAL SITES. X-RAY BURSTS WERE RESTRICTED
LOW LEVEL C-CLASS EVENTS. REGIONS 3159 (S25W39) AND 3161 (S20W23)
CONTINUE THEIR SLOW DECAY. NEW REGION 3169 (N36E23) EMERGED ON THE
DISK, WHILE 3170 (N15E72) ROTATED OVER EAST LIMB AND IS THE ONLY
REGION WITH GROWTH REPORTED.

IB. SOLAR ACTIVITY FORECAST :

SOLAR ACTIVITY SHOULD CONTINUE LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST :

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PAST 12 HOURS.
NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 20-22 JUN

CLASS M 35/30/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JUN 161

PREDICTED 20-22 JUN 156/150/147

90-DAY MEAN 19 JUN 196

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JUN 10/12

ESTIMATED AFR/AP 19 JUN 10/14

PREDICTED AFR/AP 20-22 JUN 08/08 - 12/15 - 12/15

SOLTERWARN

BT