

HEU# 1 BOU 151300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDP NUMBER 166A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 15 JUNE 1981

1A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200UT TO 15/1200UT:

SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS.
FLARES HAVE OCCURRED IN FIVE OF THE DISK REGIONS WITH THE
LARGEST A C4/1N AT 14/2346Z (MAX) IN REGION 3165 (N12W29).
ALL REGIONS CURRENTLY ARE SIMPLE IN MAGNETIC STRUCTURE,
INCLUDING REGION 3159 (S25E20).

1B. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS QUIET ON 14 JUNE BUT HAS BEEN
MODERATELY UNSETLED THIS ZULU DAY. THE FIELD IS EXPECTED TO
BE GENERALLY UNSETLED WITH PERIODS AT ACTIVE LEVEL ON 17-18
JUNE.

III. EVENT PROBABILITIES: 16-18 JUN

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 14 JUN 154

ESTIMATED 15 JUN 156

PREDICTED 16-18 JUN 156/156/154

90 DAY MEAN 14 JUN 197

V. GEOMAGNETIC A INDICES

OBSERVED AFR 13 JUN 08 AP 14 JUN 06

ESTIMATED AFR 14 JUN 05 AFR/AP 15 JUN 11/12

PREDICTED AFR/AP 16-18 JUN 09/08 14/15 12/15

SOLFERWARM

BT

HFUS-3, RCU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLORADO
SDE NUMBER 16CB

JCINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 UT 15 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/1200 UT
TO 15/2200 UT: SOLAR ACTIVITY CONTINUES AT A LOW LEVEL, WITH NO
FLARES GREATER THAN C0/SF FOR THE PAST 12 HOURS. REGIONS 3162
(N07E25) AND 3161 (S21E30) HAVE PRODUCED MOST OF THIS SMALL
ACTIVITY. THEY ARE THE BRIGHTEST REGIONS ON THE DISK AND MAY BE
GROWING SLOWLY. REGION 3159 (S26E13) ALTHOUGH THE LARGEST
REGION ON THE DISK, HAS BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: THE LOW LEVEL OF SOLAR ACTIVITY IS
EXPECTED TO CONTINUE INTO THE NEAR FUTURE. REGIONS 3161 AND
3162 OFFER SOME HOPE FOR INCREASED ACTIVITY, IF GROWTH IN THESE
REGIONS ACCELERATES.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETLED, AND IS EXPECTED TO REMAIN UNSETLED TO SLIGHTLY
ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 JUNE - 18 JUNE

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 JUNE 160

PREDICTED 16-18 JUNE 160/160/162

90-DAY MEAN 15 JUNE 196

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 JUNE 05/06

ESTIMATED AFR/AP 15 JUNE 12/14

PREDICTED AFR/AP 16-18 JUNE 09/08 - 14/15 - 12/15

SOLAR/WARN

PT.