

HFUS 1 ROU 021300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 153A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1200UT 02 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

01/1200UT TO 02/1200UT:

SOLAR ACTIVITY CONTINUES VERY LOW. THERE HAVE BEEN ONLY TWO DETECTABLE XRAY EVENTS DURING THE PAST 24 HOURS, THE LARGER BEING ONLY C1. CLOUDS HAVE PREVENTED OPTICAL EVALUATION OF THE SUN MOST OF THE PAST 12 HOURS. REGION 3134 (N14W09) MAY BE REDEVELOPING BUT AT A SLOW RATE. IT REMAINS A SMALL CLASS C SPOT GROUP. ALL OTHER REGIONS AND EAST LIMB REMAIN WEAK AND INACTIVE.

IB. SOLAR ACTIVITY FORECAST:

NO INCREASE IN ACTIVITY IS EXPECTED FOR THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. CONDITIONS WILL GRADUALLY BECOME MORE UNSETTLED BEGINNING ON 4 JUNE AS THE EARTH ENCOUNTERS RECURRENT ACTIVITY ASSOCIATED WITH REGION 3134 AND A CORONAL HOLE NORTH EAST OF THAT REGION.

III. EVENT PROBABILITIES: 03 - 05 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 01 JUN 145

ESTIMATED 02 JUN 139

PREDICTED 03-05 JUN 138/135/135

90 DAY MEAN 01 JUN 206

V. GEOMAGNETIC A INDICES

OBSERVED AFR 31 MAY 10 AP 01 JUN 11

ESTIMATED AFR 01 JUN 08 AFR/AP 02 JUN 08/11

PREDICTED AFR/AP 03-05 JUN 05/10 10/12 15/25

SOLTERWARN

BT

HFUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 153B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 UT 02 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/1200 UT
TO 02/2200 UT: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE
PAST 10 HOURS. ONLY ONE SMALL C-CLASS SUBFLARE WAS NOTED DURING
THAT TIME IN REGION 3134 (N14W17).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE VERY LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN MILDLY UNSETTLED FOR THE PAST 10 HOURS. THE FIELD IS EXPECTED
TO BE QUIET TO UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 03 JUNE - 05 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JUNE 140

PREDICTED 03-05 JUNE 138/137/137

90-DAY MEAN 02 JUNE 205

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 JUNE 09/11

ESTIMATED AFR/AP 02 JUNE 08/11

PREDICTED AFR/AP 03-05 JUNE 05/10 - 10/12 - 15/20

SOLTERWARN

BT