

HFUS 1 BOU 011300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 152A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 01 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/1200UT TO 01/1200UT:

SOLAR ACTIVITY CONTINUES VERY LOW. ONLY THREE X-RAY EVENTS WERE RECORDED IN THE PAST 24 HOURS. THE LARGEST WAS ONLY C3 INTENSITY AT 0742Z FROM REGION 3134 (N13E03), AND YET THIS WAS THE STRONGEST EVENT IN THE PAST SEVEN DAYS. REGIONS 3134 AND 3121 (N03W70) CONTINUE A VERY SLOW DECAY WHILE BOTH RETAIN MINOR AREAS OF COMPLEX MAGNETIC FIELDS. REGIONS NEAR NE LIMB ARE FAINT AND WITH SMALL OR NO SPOTS. THERE IS ONLY WEAK 10CM RADIO FLUX FROM EAST LIMB INDICATING UNIMPORTANT RETURNING REGIONS.

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 WITH SHORT PERIODS SLIGHTLY UNSETTLED. QUIET CONDITIONS ARE EXPECTED TO PERSIST UNTIL LATE ON JUNE 4 WHEN UNSETTLED CONDITIONS WILL BECOME PREVALENT.

III. EVENT PROBABILITIES: 02 - 04 JUNE

CLASS M. 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 31 MAY 152

ESTIMATED 01 JUN 148

PREDICTED 02-04 JUN 144/140/140

90 DAY MEAN 31 MAY 207

V. GEOMAGNETIC A INDICES

OBSERVED AFR 30 MAY 10 AP 31 MAY 10

ESTIMATED AFR 31 MAY 10 AFR/AP 01 JUN 08/08

PREDICTED AFR/AP 02-04 JUN 05/08 05/10 10/12

SOLTERWARN

BT

HFUS 3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 152R

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 UT 01 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/1200 UT
TO 01/2200 UT: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THIS
PERIOD. ONE SMALL C-CLASS SN FLARE WAS NOTED IN REGION 3121
(N03W77).

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN MILDLY UNSETTLED DURING THIS PERIOD. THE FIELD IS EXPECTED
TO BE GENERALLY QUIET FOR THE NEXT TWO DAYS.

III. EVENT PROBABILITIES 02 JUNE - 04 JUNE

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 145

PREDICTED 02-04 JUNE 141/140/140

90-DAY MEAN 01 JUNE 206

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 MAY 10/10

ESTIMATED AFR/AP 01 JUNE 08/10

PREDICTED AFR/AP 02-04 JUNE 05/08 - 05/10 - 10/12

SOLTERWARN

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