

NNNN

KBOU

HFUS 1 BOU 230600

SDF NUMBER 054A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 23FEB 1973.

IA. SOLAR ACTIVITY CONTINUES TO INCREASE. REGION 044(N07E88)
PRODUCED A CLASS M8 X-RAY EVENT AT 22/2330Z AND HAS PRODUCED 4
SUBFLARES SINCE 22/2200Z.

IB. NO CHANGE

II. NO CHANGE

III. EVENT PROBABILITIES 23-25 FEB

CLASS M 70/70/70

CLASS X 15/15/20

PROTON 05/05/05

PCAF GREEN

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

BBNNNN

KBOU

HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 054B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 FEBRUARY 1973

IA. SOLAR ACTIVITY LEVEL IS MODERATE. SUNSPOTS AND PLAGE ARE STILL
ROTATING ON TO THE DISK AT NE08 IN CONJUNCTION WITH REGION 044.
FREQUENT SURGES AND PLAGE FLUCTUATIONS, WITH ON FLARES EMBEDDED,
ARE OCCURRING. A OB FLARE IN REGION 044 WITH MAXIMUM AT 22/2353Z
IS PRELIMINARILY CLASSED AS AN M8 XRAY EVENT. A NEW REGION IS
EMERGING NEAR S13E45.

IB. SINCE ASSOCIATED STRUCTURE OF REGION 044 IS STILL ROTATING
ONTO THE DISK, THE EXACT CHARACTERISTICS ARE NOT YET KNOWN.
HOWEVER, BASED ON THE ACTIVITY OF THE PAST 36 HOURS, DAILY CLASS M
EVENTS ARE EXPECTED WITH A CLASS X EVENT PROBABLE DURING THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY ACTIVE. IT IS EXPECTED
TO REMAIN ACTIVE, WITH MINOR MAGSTORM CHARACTERISTICS DURING LOCAL
NIGHT TIME, FOR THE NEXT 36 - 48 HOURS.

III. EVENT PROBABILITIES 23 - 25 FEB

CLASS M 70/70/70

CLASS X 15/15/15

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 FEB 92

PREDICTED 23 - 25 FEB 94/98/100

90-DAY MEAN 22 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 FEB 25

ESTIMATED 22 FEB 29

PREDICTED 23 - 25 FEB 34/32/16

SPAN

BT

NNNN

KBOU

HXUS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 054

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 FEB 1973.

IA. SOLAR ACTIVITY CONTINUES MODERATE. EIGHT SUBFLARES HAVE BEEN
OBSERVED IN THE PAST 24 HOURS: ALL FROM REGION 044 /N08E72/. AN
M7 X-RAY FLARE (A SUB-BRILLIANT OPTICALLY) WAS REPORTED MAXIMUM
AT 22/2353Z. THIS FLARE WAS ACCOMPANIED BY TYPICAL PROMPT
GEOPHYSICAL EFFECTS (SHORT WAVE FADES AND SUDDEN PHASE ANOMALIES).
OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY SHOULD CONTINUE MODERATE. REGION 044 APPEARS TO
HAVE QUIETED DOWN DURING THE LAST 12 HOURS. SOMETIMES A QUIET PERIOD
OF 12 TO 24 HOURS IS FOLLOWED BY A SIZEABLE FLARE, SO IT IS POSSIBLE
THE REGION WILL PRODUCE AN ENERGETIC FLARE EARLY IN THE FORECAST
PERIOD. LIMB PROXIMITY STILL PREVENTS ACCURATE ANALYSIS OF THIS
NEW REGION: HOWEVER, IT APPEARS THAT REGION 044 IS FOLLOWED CLOSELY
BY ANOTHER ACTIVE REGION. THIS COMPLEX COULD EASILY PRODUCE SEVERAL
MORE M-CLASS FLARES DURING THE FORECAST PERIOD, BUT A LARGE
ENERGETIC FLARE IS NOT VERY LIKELY. OTHER REGIONS SHOULD REMAIN
RELATIVELY QUIET. NO OLD REGIONS ARE SCHEDULED TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO BECOME SLIGHTLY MORE ACTIVE EARLY IN THE FORECAST PERIOD AND THEN
ACTIVITY SHOULD DIMINISH TO MODERATELY UNSETTLED BY THE END OF
THE FORECAST PERIOD.

III. EVENT PROBABILITIES 24 FEB 1 26 FEB

CLASS M 70/70/70

CLASS X 15/15/15

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 093

PREDICTED 24-26 FEB 095/097/098

90-DAY MEAN 23 FEB 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 FEB 27

EXTIMATED 23 FEB 25

PREDICTED 24-26 FEB 30/16/12

SOLTERWARN

SPAN

BT