

NNNN

KBOU

HFUS 1 BOU 150600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 15 OCTOBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET
DURING THE PAST 12 HOURS, WITH SHORT PERIODS
OF MINOR DISTURBANCE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SPAN I

BT

NNNN

KBOU

HFUS 1 BOU 151300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 15 OCTOBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW, ALTHOUGH 1-8
ANGSTROM X-RAY FLUX LEVELS HAVE BEEN FLUCTUATING
UP TO CLASS C INTENSITIES WITH TIME PERIODS
OF A FEW HOURS.

IB. THE ACTIVITY CENTER THUS FAR VISIBLE
AT S08E70 IS NOT IMPRESSIVE ON HELIOGRAPHIC
XRAY AND CENTIMETRIC RADIO MAPS. HOWEVER,
THE X-RAY ACTIVITY MENTIONED IN PART I
INDICATES SOME POSSIBILITY OF MORE ENERGETIC
(SMALL CLASS M) FLARES, POSSIBLY FROM ADDITIONAL
STRUCTURE STILL TO COME OVER THE LIMB.
A PROVISIONAL INCREASE IN CLASS M
PROBABILITIES IS MADE IN PART III PENDING
FURTHER OBSERVATION AND ANALYSIS OF THE NEW REGION.

II. NO CHANGE

III. EVENT PROBABILITIES 15-17 OCTOBER

CLASS M 20/20/15

CLASS X 01/01/01

PROTON 01/01/01

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCTOBER 97.5

PREDICTED 15 OCTOBER-17 OCTOBER 99/101/103

90-DAY MEAN 14 OCTOBER 117.2

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 OCTOBER 19

ESTIMATED 14 OCTOBER 16

PREDICTED 15 OCTOBER-17 OCTOBER 10/08/06

SPAN I

BT

NNNN

KBOU

HFUS BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 289

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 15 OCT 1972

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. OF THE FIVE SPOT GROUPS ON THE DISK, ONLY 448 /S14E84/ IS INTERESTING. AT PRESENT ONLY ONE LARGE APPARENT H TYPE SPOT IS VISIBLE IN THIS REGION, BUT LIMB ACTIVITY INDICATES THERE MAY BE MORE SPOTS NOT YET VISIBLE. REGION 446 /S05E70/ IS PROBABLY RETURNING REGION/S/ 414/416. A SLIGHT ENHANCEMENT OF LOW ENERGY PROTONS AT SATELLITE ALTITUDES HAS BEEN NOTICED.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW, ALTHOUGH REGION 448 MAY PRODUCE OCCASIONAL CLASS M AND POSSIBLY SMALL CLASS X X-RAY EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED BUT SHOULD BECOME QUIET DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 16-18 OCTOBER

CLASS M 20/20/20

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 OCT 103

PREDICTED 16-18 OCT 105/107/109

90-DAY MEAN 15 OCT 117.2

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 OCT 023

ESTIMATED 15 OCT 006

PREDICTED 16-18 OCT 006/004/004

SOLTERWARN

SPAN

BT