

''''

KBOU

HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 273A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 29 SEPT 1972

IA. NO SIGNIFICANT ACTIVITY

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

BT

NNNN

KBOU

HFUS 1 BOU 291300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 273B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 29 SEPT 1972

IA. SOLAR ACTIVITY REMAINS LOW WITH ONLY OCCASIONAL, NON-ENERGETIC
SUBFLARES BEING REPORTED. THE OPTICAL PATROL HAS, HOWEVER, BEEN
LIMITED BECAUSE OF CLOUDS. THE OSO SATELITE CONTINUES TO
OBSERVE CORONAL CONDENSATIONS ON THE E LIMB AT N17 WHERE
A SUNSPOT GROUP HAS ROTATED ONTO THE DISK AND ALSO NEAR
N03. OPTICAL OBSERVATION OF THE REGION AT N17 WHICH
HAS ROTATED INTO VIEW ARE LIMITED, BUT AS YET THEY DO NOT IND-
ICATE ANY MAJOR INCREASE IN ACTIVITY IS TO BE EXPECTED.

IB. THE LOW LEVEL OF ACTIVITY IS EXPECTED TO PERSIST WITH AN
OCCASIONAL CLASS C EVENT LIKELY AND A SMALL CLASS M POSSIBLE.

II. THE GEOMAGNETIC FIELD WAS ACTIVE BETWEEN 00-09Z TODAY,
BUT IT HAS SINCE BECOME UNSETTLED. SLIGHTLY UNSETTLED
CONDITIONS WITH OCCASIONAL ACTIVE PERIODS SHOULD
CHARACTERIZE THE GEOMAGNETIC FIELD DURING THE NEXT 24 HRS.
PART V REFLECTS THIS ACTIVITY.

III. EVENT PROBABILITIES 29 SEPT 01 OCT

CLASS M 40/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 SEPT 116

PREDICTED 29 SEPT - 01 OCT 113/110/112

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 SEPT 07

ESTIMATED 28 SEPT 05

PREDICTED 29 SEPT - 01 OCT 14/13/11

BT

NNNN

4 7 5
3 3 0
6 3 0
3 1 0

NNNN

KBOU

HFUS:BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

REF NUMBER 273

JOINT AESS/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 SEPTEMBER 1972

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. REGION 415 /S04W51/
CONTINUES SLOW DECAY. REGIONS 425 /N17E73/ AND 426 /S08E77/ WHICH
CROSSED EAST LIMB THE PAST 24 HOURS ARE NOT IMPRESSIVE IN H ALPHA.
NEW REGION 424 /N12E37/ HAS A MODERATE GROWTH RATE AND REVERSED
POLARITIES. LOW ENERGY /5-20 MEV/ PROTON FLUXES EXCEEDED 10X BACK-
GROUND BETWEEN 1730-1800Z BUT DECREASED TO 5X BACKGROUND AT SATELLITE
SHUT-OFF AT 1830Z.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH A SMALL CLASS M EVENT
POSSIBLE DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE. IT IS EXPECTED
TO REMAIN GENERALLY UNSETTLED FOR THE NEXT 72 HOURS WITH ACTIVE CON-
DITIONS DURING LOCAL NIGHT TIME AT LOWER LATITUDE STATIONS.

III. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

SCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 115

PREDICTED 30 SEP-02 OCT 112/114/117

90-DAY MEAN 29 SEP 121.5

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 SEP 07

ESTIMATED 29 SEP 16

PREDICTED 30 SEP-02 OCT 18/12/10

SOLTERWARD

END

BT