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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

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KBOU

HFUS 1 BOU 291300

FROM SPACE ENVIRONMENT SERVICES SENTER 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 INDICATE 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 UNSETLED. SLIGHTLY UNSETLED 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

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KBOU

NPUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SCF NUMBER 273

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 29 SEPTEMBER 1972

I. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. REGION 416 /S04W51/ CONTINUES SLOW DECAY. REGIONS 425 /N17E78/ 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 BACKGROUND BETWEEN 1730-1800Z BUT DECREASED TO 5X BACKGROUND AT SATELLITE SHUT-OFF AT 1830Z.

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

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

IV. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 35/35/35

CLASS X 01/01/01

PROTON 01/01/01

SCAF GREEN

V. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 115

PREDICTED 30 SEP-02 OCT 112/114/117

90-DAY MEAN 29 SEP 121.5

VI. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 SEP 87

ESTIMATED 29 SEP 16

PREDICTED 30 SEP-02 OCT 18/12/10

SOUTHERN AFRICA

GREEN

END