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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 OCTOBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. GEOMAGNETIC CONDITIONS CONTINUE TO BE UNSETLED

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 OCTOBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 451(S16 E39) IS THE
ONLY REGION ON THE DISK TO SHOW GROWTH. ALL OTHER REGIONS APPEAR
TO BE STABLE OR DECLINING. NO ENERGETIC ACTIVITY HAS BEEN
OBSERVED IN THE PAST 24 HR.

IB. CONTINUED LOW LEVELS OF ACTIVITY ARE EXPECTED. NONE OF THE
REGIONS PRESENTLY ON THE DISK APPEAR TO BE LIKELY SOURCES
OF ENERGETIC ACTIVITY IN THE NEAR FUTURE.

II. THE MAGNETIC FIELD HAS BEEN SOMEWHAT ACTIVE DURING THE
PERIOD NEAR LOCAL MIDNIGHT, BUT IS RATHER QUIET AT THE TIME OF THIS
MESSAGE. MODERATELY UNSETTLED PERIODS CAN BE EXPECTED NEAR
LOCAL MIDNIGHT FOR THE NEXT 72 HRS.

III. EVENT PROBABILITIES 21-23 OCTOBER

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/02

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 OCTOBER 123

PREDICTED 21-23 OCTOBER 128/130/131

90-DAY MEAN 20 OCTOBER 117.6

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 OCTOBER 020

ESTIMATED 20 OCTOBER 011

PREDICTED 21-23 OCTOBER 008/005/005

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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 OCTOBER 1972

IA. ALTHOUGH THERE ARE NOW FIVE REGIONS VISIBLE ON THE SOLAR DISK, ALL REGIONS ARE MAGNETICALLY SIMPLE AND INACTIVE. A NEW REGION /454 AT S16E82/ WAS THE SOURCE OF OPTICALLY SPECTACULAR LIMB SURGE ACTIVITY AT ABOUT 1530Z TODAY, HOWEVER THERE WERE NO IONOSPHERIC EFFECTS OBSERVED WITH THIS ACTIVITY. REGION 432 IS DUE TO RETURN AT S14 TOMORROW.

IB. NO MAJOR CHANGES ARE EXPECTED IN THE REGIONS ON THE DISK. FLARE ACTIVITY SHOULD BE NONENERGETIC WITH A SLIGHT CHANCE OF A SMALL CLASS M EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED, BUT IS NOW QUIET. GENERALLY QUIET CONDITIONS ARE EXPECTED TO CONTINUE, BUT PERIODS OF UNSETLED CONDITIONS MAY OCCUR DURING THE NEXT 48 HOURS. GENERALLY UNSETLED GEOMAGNETIC CONDITIONS ARE EXPECTED BEGINNING ON 24 OCT.

III. EVENT PROBABILITIES 22 OCT 0000Z - 24 OCT 2400Z.

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 21 OCT 137

PREDICTED 22 OCT - 24 OCT 138/138/136

90-DAY MEAN 21 OCT 118.0

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 20 OCT 10

ESTIMATED 21 OCT 11

PREDICTED 22 OCT - 24 OCT 07/06/010

SOLTERWARN

SPAN

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