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HFUS 1 BOU 160600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 16 OCTOBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 161300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED AT 1300Z 16 OCT 1972

IA. SOLAR ACTIVITY HAS BEEN LOW.

REGION 448 (S14E76) IS NOW SEEN TO BE OF CLASSICAL FORM CONSISTING OF A LARGE SYMMETRIC LEADER SPOT AND SIMPLY STRUCTURED FOLLOWER PLAGE. REGION 446 (S05E62) IS SMALLER, BRIGHTER AND IS AT AN EARLIER PHASE OF DEVELOPMENT.

LIMB SURGES BEHIND 448 INDICATE THERE MAY BE MORE STRUCTURES STILL TO APPEAR.

IB. NO CURRENT REGION OFFERS AN IMMEDIATE THREAT OF MAJOR FLARES.

II. THE GEOMAGNETIC FIELD HAS CONTINUED QUIET TO UNSETTLED. MORE OF THE SAME IS EXPECTED.

III. EVENT PROBABILITIES 16-18 OCT

CLASS M 20/20/20

CLASS X 03/03/03

PROTON 01/01/01

PCFC 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 06

PREDICTED 16-18 OCT 06/04/04

SPAN I

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HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 16 OCT 1972

IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. REGION 448 /S15E70/  
HAS NOT PRODUCED ANY FLARES IN THE PAST 24 HOURS BUT LIMB ACTIVITY  
IN THE AREA IS STILL APPARENT, INDICATING MORE TRAILER SPOTS MAY  
CROSS OVER THE LIMB. REGION 446 /S05E57/ IS GROWING AND MAY SHARE A  
NEUTRAL LINE WITH REGION 448, ALTHOUGH ANALYSIS IS DIFFICULT DUE TO  
LIMB PROXIMITY.

IB. SIGNIFICANT ACTIVITY MAY RESULT IF REGIONS 446 AND 448 CONTINUE  
TO GROW AND INTERACT TO CREATE HIGH FIELD GRADIENTS. THE REST OF THE  
DISK WILL REMAIN QUIET.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED. QUIET CONDITIONS  
ARE EXPECTED FOR THE NEXT 48 HOURS FOLLOWED BY UNSETTLED CONDITIONS  
FOR THE NEXT 24.

III. EVENT PROBABILITIES 17-19 OCT

CLASS M 30/40/40

CLASS X 05/07/07

PROTON 01/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 OCT 107

PREDICTED 17-19 OCT 111/114/117

90-DAY MEAN 16 OCT 117.2

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 OCT 007

ESTIMATED 16 OCT 009

PREDICTED 17-19 OCT 005/004/010

SOLTERWARN

BT