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HFUS 1 BOU 230600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 297A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 23 OCTOBER 1972

IA. NO CHANGE

IB. SMALL SURGE ACTIVITY CONTINUES FROM SE LIMB. NO SPOTS
ARE VISIBLE AT THIS TIME.

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 231230

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 297B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 OCTOBER 1972

IA. FLARE ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. AT LEAST CLASS M X-RAY EVENTS HAVE BEEN DETECTED. NEW REGIONS 456 (S11W14) AND 455 (S05W15) HAVE APPEARED AMONG THE 448-452-446 GROUPING AND THE MAGNETIC STRUCTURE IS COMPLEX. THE PENUMBRA OF THE LARGE SPOT IN 448/S15W15/ HAS EXTENDED TO THE SE AND SURROUNDED A SPOT OF FOLLOWER POLARITY, THEREBY FORMING A DELTA. AN ACTIVE SURGE REGION AND AN ACTIVE PROMINENCE AT SE7-10 HAVE EMITTED SMALL X-RAY BURSTS WHICH MAY WARN OF A COMPLEX REGION JUST BEHIND THE LIMB. A LARGE H TYPE SPOT IS NOW VISIBLE IN THE NEW REGION NEAR S11E30.

IB. THE INCREASED COMPLEXITY OF REGION 448 AND CONTINUED LIMB ACTIVITY INDICATES FURTHER ENERGETIC ACTIVITY IS TO BE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED, AND IS EXPECTED TO REMAIN SO DURING THE NEXT THREE DAYS, PERHAPS BECOMING QUIETER AT THE END OF THE PERIOD.

III. EVENT PROBABILITIES 23 OCT - 25 OCT

CLASS M 70/60/60

CLASS X 15/10/5

PROTON 10/05/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED OCT 22 143

PREDICTED 23-25 OCT 148/145/140

90-DAY MEAN OCT 22 118

V. OBSERVED FREDERICKSBURG OCT 21 012

ESTIMATED OCT 22 012

PREDICTED 23-25 OCT 010/010/010

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KBOU

HFUS BOU 232225

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 297

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 23 OCT 1972

IA. THE SUN HAS BECOME MORE ACTIVE DURING THE PAST 24 HOURS. TWENTY SUBFLARES HAVE BEEN REPORTED, COMING FROM THE 460 /S10E80/ COMPLEX AND REGION 448 /S15W21/. REGIONS 454 /S16E46/ AND 460 HAVE PRODUCED SMALL M-CLASS X-RAY EVENTS. REGION 460 HAS PRODUCED SURGES ACCOMPANIED BY X-RAY BURSTS OF AT LEAST CLASS M-1, AND SMALL RADIO EVENTS HAVE BEEN ASSOCIATED WITH THIS ACTIVITY. A LARGE LEADER GROUP IS NOW VISIBLE AS PART OF 460, AND TRAILERS ARE EXPECTED TO FOLLOW. THIS REGION IS NOW THE MOST IMPRESSIVE ON THE DISK, ALTHOUGH THE 448 COMPLEX /448 NOW AT S15W21/ IS A GOOD RIVAL. A MINOR NOISE STORM IS IN PROGRESS.

IB. REGION 460 AND THE 448 COMPLEX ARE EXPECTED TO CONTINUE TO PRODUCE M-CLASS EVENTS, AND BOTH ARE CAPABLE OF MORE ENERGETIC OUTPUT. REGIONS 425 AND 433 MAY RETURN LATE IN THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED MILDLY UNSETTLED. THESE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH OCT 24, PERHAPS BECOMING QUIETER ON OCT 25, AND BECOMING MORE UNSETTLED ON OCT 26.

III. EVENT PROBABILITIES 24 OCT-26 OCT

CLASS M 80/80/80

CLASS X 20/20/20

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 OCT 155

PREDICTED 24-26 OCT 150/145/140

90-DAY MEAN 23 OCT 119

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 OCT 011

ESTIMATED 23 OCT 011

PREDICTED 24-26 OCT 010/010/015

SOLTERWARN

SPAN

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