

NNNN

KBOU

HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 230 ISSUED 2200Z 17 AUG 1972

A. A LOW LEVEL OF SOLAR ACTIVITY CONTINUES WITH 5 QUIET REGIONS ON THE VISIBLE DISK. REGIONS 359 /N16W43/ AND 364 /S09E19/ EACH PRODUCED A NONENERGETIC SUBFLARE TODAY AND BOTH ARE STILL GROWING SLOWLY. HOWEVER, THEY STILL FAIL TO SHOW ANY MAGNETIC COMPLEXITY. EAST LIMB ACTIVITY IN THE FORM OF SMALL SURGES AND SUBFLARES HAS BEEN REPORTED NEAR N10. THIS APPEARS TO BE ASSOCIATED WITH A LARGE FILAMENT WHICH BECAME ACTIVE AND IS EXPECTED TO DISAPPEAR. H-ALPHA OBSERVATIONS INDICATE A POSSIBLE INTERPLANETARY SECTOR BOUNDARY NEAR CENTRAL MERIDIAN. THE GEOMAGNETIC FIIIE

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DXWGHT INCREASE IN ACTIVITY IS POSSIBLE AS REGIONS 359 AND 364 CONTINUE TO GROW. HOWEVER, NO EVENTS ABOVE CLASS C ARE EXPECTED. GENERALLY QUIET TO MILDLY UNSETTLED GEOMAGNETIC CONDITIONS ARE EXIST UNTIL LATE ON 20 AUG WHEN THE EFFECT OF THE SECTOR BOUNDARY PASSAGE SHOULD LEAD TO UNSETTLED CONDITIONS.

C. EVENT PROBABILITIES 18 AUG/0000Z-20 AUG/2400Z.

CLASS M 05/10/10.

CLASS X 01/01/01.

PROTON 01/01/01.

D. OTTAWA 10.7 CM FLUX.

OBSERVED 17 AUG/1700Z 104.

PREDICTED 18 AUG-20 AUG 105-106-106.

E. A-FREDERICKSBURG.

OBSERVED 16 AUG 06.

ESTIMATED 17 AUG 06.

PREDICTED 18 AUG-20 AUG 06-09-10.

SOLTERWARN

SPAN

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NNNN
2215

PP KGFF

DE BOU 172210

PLS PASS TO COMSAT WASHDC ATTN MR NEIL

KGFF PLS ACK RECIPT OF THIS MSG

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B. A SLIGHT INCREASE IN ACTIVITY IS POSSIBLE AS REGIONS 359 AND 364 CONTINUE TO GROW. HOWEVER, NO EVENTS ABOVE CLASS C ARE EXPECTED. GENERALLY QUIET TO MILDLY UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED TO PERSIST UNTIL LATE ON 20 AUG WHEN THE EFFECT OF THE SECTOR BOUNDARY PASSAGE SHOULD LEAD TO UNSETTLED CONDITIONS.

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