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GVWG
KMSC
PP KGFF
DE BOU 020400Z
THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 433A ISSUED 0400Z 02 NOVEMBER 1969

CLASS C FLARES EXPECTED IN THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. THE RETURNING REGION AT N13E30 HAS A "3" TYPE SPOT. PLAGE HAS DEVELOPED BOTH NORTH AND SOUTH OF THE MAIN SPOT WITH A FILAMENT RUNNING BETWEEN THESE AREAS. VERY LITTLE ACTIVITY HAS BEEN OBSERVED FROM THIS REGION. THE SURGE ACTIVITY FROM THE WEST LIMB HAS SUBSIDED. THE MAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW AS THE REGIONS ON THE VISIBLE DISK ARE ALL STABLE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02/0400Z ENDING 05/0400Z.

CLASS M OR GREATER 20/20/20

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 01/1700Z AND 2000Z WERE 142 AND 140
RESPECTIVELY

BT

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KMSC
PP KGFF
DE BOU 021730Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 433B ISSUED 1700Z 02 NOV 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. AFTER A RELATIVELY UNEVENTFUL DISK PASSAGE MCMATH REGION 385, WHICH IS NOW SOME 10 DEGREES BEHIND THE WEST LIMB NEAR N12, PRODUCED A MAJOR EVENT AT ABOUT 02/0943Z. NO OPTICAL FLARE WAS OBSERVED, BUT THE CANARY ISLAND OBSERVATORY REPORTED A 10 CM RADIO BURST BEGINNING 0943Z WITH A MAXIMUM OF 1464 FLUX UNITS ABOVE BACKGROUND AT 1041Z. IMP TWO LOOPS WERE OBSERVED NEAR N12WL BEGINNING 02/1040Z. PROTONS WERE DETECTED BY THE ATS-1 SATELLITE STARTING ABOUT 02/1200Z. AS OF 02/1630Z THE 21-70 MEV DETECTOR WAS REGISTERING AT LEAST 8000 TIMES BACKGROUND WHILE THE 5-21 MEV CHANNEL WAS ONLY 8 TIMES ABOVE BACKGROUND. AT 02/1645Z 30 MHZ RIOMETER ABSORPTION AT THULE, SOLAR ZENITH ANGLE EQUAL 90 DEGREES, WAS 11 DECIBELS AND THAT AT CHURCHILL WAS ESTIMATED TO BE 15DB. FEATURES ON THE VISIBLE DISK ARE REPORTED TO REMAIN STABLE AND UNIMPRESSIVE IN APPEARANCE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. ONLY MINOR ACTIVITY IS EXPECTED FROM THE REGIONS NOW ON THE VISIBLE DISK. FROM DATA CURRENTLY AVAILABLE AND THE WEST-LIMB LOCATION OF THE EVENT WE EXPECT THE PROTON EVENT TO REMAIN A FAIRLY HIGH-ENERGY EVENT WITH THE PCA PEAKING 10-12 HOURS AFTER ONSET. A MAJOR MAGNETIC STORM IS NOT FORESEEN AT THIS TIME.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 NOV/1700Z ENDING 05/1700Z.

CLASS M OR GREATER 20/20/20

CLASS X 05/05/05

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 141. PREDICTED 135/130/125.

E. MAGNETIC A-FREDERICKSBURG FOR 01 NOV WAS 01. FOR 02 NOV ABOUT 10 PREDICTED AP FOR 03-05 NOV, 20/20/15.

F. KP ESTIMATED FOR 1200-1500Z WAS 4. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 4/3/4/3/3/3/2/2.

SOLTERWARN

BT