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PP KGFF
DF BCU 251720Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 211A ISSUED 1700Z MARCH 25 1969

CLASS X FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A RELATIVELY LOW LEVEL. A CLASS M FLARE DID OCCUR AT 25/0551Z, IMP ONE BRIGHT, IN THE REGION NEAR N21W40. THIS REGION HAS SHOWN SOME REJUVENATION AND IS NOW MORE IMPRESSIVE THAN 24 HOURS AGO. THE REGION NEAR N14W71 HAS DECLINED IN BRIGHTNESS; HOWEVER, THIS REGION IS NOW TOO CLOSE TO WEST LIMB FOR RELIABLE EVALUATION. A DECREASE IN NUMBER AND SIZE OF THE SPOTS NEAR S31W31 IS REPORTED. NEW REGIONS WITH SMALL SPOT GROUPS ARE CENTERED NEAR S11W25 AND N04E57. A J-SPOT AND BRIGHT PLAGE HAVE ROTATED ONTO THE DISK AT N22E1 AND MORE SPOTS ARE EXPECTED TO FOLLOW. SURGES HAVE BEEN OBSERVED ON EAST LIMB AT N22 AND S14. THE NEUTRON COUNTING RATE AT DEEP RIVER REMAINS DEPRESSED BY ABOUT SEVEN PERCENT FOLLOWING THE GRADUAL ONSET OF A FORBUSH DECREASE AT 23/2200Z. A GEOMAGNETIC SUDDEN IMPULSE AT 25/0645Z WAS MARKED BY A 39 GAMMA INCREASE IN THE H COMPONENT AT BOULDER, FOLLOWING THIS IMPULSE, THE FIELD REMAINED MODERATELY DISTURBED, WITH K-INDICES OF 4, UNTIL 1500Z.

B. CLASS M AND CLASS X FLARES ARE EXPECTED FROM THE REGION NOW NEAR N21W40 UNTIL THIS REGION COMPLETES WEST LIMB PASSAGE ON 29 MARCH. CLASS M FLARES ARE POSSIBLE FROM THE REGIONS NEAR N14W71, N20W51, AND S31W31. BASED ON DATA FROM THE PIONEER SPACE-CRAFT WE EXPECT THE MAGNETIC FIELD TO SETTLE DOWN UNTIL 27 OR 28 MARCH WHEN A DISTURBANCE IS ANTICIPATED.

FORECAST FOR MARCH 26-28

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX TODAY IS 182. PREDICTED 175/170/165.

E. N/A

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.

BT

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PP KGFF
DE BOU 252305Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 211B ISSUED 2300Z 25 MARCH 1969
CLASS X FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.
A. THE ONLY SIGNIFICANT ACTIVITY THE PAST 6 HOURS WAS AN IMP ONE
NORMAL FLARE AT 1805Z FROM THE REGION NEAR N21W40. THIS REGION
REMAINS IMPRESSIVE AND MAGNETICALLY COMPLEX. NEUTRON COUNTING
RATES ARE STILL DEPRESSED BY ABOUT 7 PERCENT. THE GEOMAGNETIC
DECLINATION AND HORIZONTAL COMPONENT HAVE BEEN RELATIVELY QUIET.
HOWEVER, THE GEOMAGNETIC VERTICAL COMPONENT AT BOULDER BECAME
DISTURBED ONCE AGAIN AT 2050Z.
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 211A.
E. MAGNETIC A-FREDERICKSBURG FOR 24 MAR WAS 93. FOR 25 MAR ABOUT 17.
PREDICTED AP FOR 26-28 MAR 18-20-25.
BT

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