

#

NNNNHUU

PP KGFF

DE BOU 111710Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 228A ISSUED 1700Z APRIL 11 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD 03-10/2200Z APRIL 1969 CLN SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING MOST OF THE PERIOD. A LARGE COMPLEX REGION NEAR N10 PRODUCED TWO SMALL CLASS M FLARES ON 03 APRIL AT 1008 AND 1306Z. THIS REGION THEN BEGAN TO DECAY AND PRODUCED ONLY CLASS C EVENTS BEFORE WEST LIMB PASSAGE. NO FURTHER SIGNIFICANT ACTIVITY WAS OBSERVED UNTIL 10 APRIL WHEN TWO LARGE EVENTS OCCURRED ON THE WF LIMB. THE FIRST, AT 0355Z NEAR NE10, WAS A SMALL CLASS X EVENT WHICH WAS OPTICALLY REPORTED TO BE AN IMPORTANCE 2 BRIGHT FLARE BY ONE OBSERVATORY AND A BRIGHT SURGE BY TWO OTHER OBSERVATORIES. THE SECOND EVENT, AT 1056Z NEAR NE22, WAS CLASS M AND WAS ASSOCIATED WITH AN IMPORTANCE 3 SURGE AND SPRAY. FOLLOWING THIS EVENT, THE 1-8A X-RAY FLUX REMAINED ABOVE THE THRESHOLD FOR CLASS M EVENTS FOR MORE THAN 8 HOURS. BOTH OF THESE EVENTS OCCURRED IN THE LARGE GROUP OF ACTIVE REGIONS WHICH PRODUCED THE PROTON EVENTS OF 25 AND 27 FEBRUARY AND 21 AND 30 MARCH. THE LEADING PORTION OF THESE REGIONS BEGAN TO TRANSIT THE EAST LIMB ON 09 APRIL. LOW ENERGY PROTON FLUXES REMAIN SLIGHTLY ENHANCED FOLLOWING THE PROTON EVENT ON 30 MARCH. THE GEOMAGNETIC FIELD SHOWED SHORT-LIVED MINOR DISTURBANCES THROUGHOUT THE PERIOD.

B. FORECAST FOR THE WEEK 12-18 APRIL 1969 CLN SOLAR ACTIVITY IS EXPECTED TO INCREASE SHARPLY ON 12 APRIL AS THE PREVIOUSLY ACTIVE LONGITUDES RETURN. SATELLITE DATA INDICATE THAT THESE CENTERS MAY STILL BE QUITE ACTIVE. ANOTHER REGION AT S06 APPEARS SUFFICIENTLY COMPLEX (MAGNETICALLY) TO THREATEN MAJOR FLARE PRODUCTION.

C. 28-DAY FORECAST FOR 12 APRIL-09 MAY 1969 CLN SOLAR ACTIVITY IS EXPECTED TO BE CONSIDERABLY ABOVE MEAN LEVELS FROM 12-26 APRIL.

D. DAILY FORECASTS FOR 12-14 APRIL AND EXPECTED MEAN FORECASTS FOR 15-18 APRIL 1969 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 50/60/80 /80/

CLASS X 20/30/40 /40/

PROTON EVENTS 20/30/40 /40/

OTTAWA 10.7 CM FLUX TODAY IS 150. PREDICTED 155/165/175 /135/.

E. N/A.

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

BT

NNNNUUU  
PP KGFF  
DE ROU 112300Z  
THIS IS THE MESSAGE FOR PEFILF

FROM SPACE DISTURBANCE FORECAST CENTER FSSA BOULDER COLO  
SDF NUMBER 228P ISSUED 2300Z 11 APRIL 1969  
CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.  
A. SOLAR ACTIVITY HAS DECREASED DURING THE PAST 12 HOURS. THE  
EXPECTED ACTIVE REGION AT N20 HAS NOT APPEARED AT EAST LIMB, BUT  
IS EXPECTED WITHIN 24 HOURS. THE REGION AT S06E40 HAS BEEN QUITE  
ACTIVE IN TERMS OF SUBFLARES AND IS NOW CLASSIFIED MAGNETICALLY  
AS A DELTA. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.  
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 228A.  
E. MAGNETIC A-FREDERICKSBURG FOR 10 APRIL WAS C4. FOR 11 APRIL  
ABOUT 10. PREDICTED AP FOR 12-14 APRIL 15/15/20.  
BT

NNNN