

NNNNUUU  
PP KGFF  
DE BOU 071720Z

HERE IS THE MSG FOR REFILE PASS ALSO TO H E N V - HOUSTON

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 193A ISSUED 1700Z MARCH 07 1969

CLASS M EVENTS ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD 27 FEBRUARY-07 MARCH 1969 CLN THE COMPLEX CENTER NEAR N14, RESPONSIBLE FOR MOST OF THE OBSERVED ACTIVITY LATE LAST WEEK, COMPLETED WEST LIMB PASSAGE BY 02 MARCH. THIS REGION PRODUCED A MINOR PROTON EVENT WHICH BEGAN ABOUT 28/2200Z AND CONTINUED FOR APPROXIMATELY 24 HOURS. IT WAS OBSERVED BY SATELLITES AND THE PIONEER 8 AND 9 SPACE PROBES, AND THERE WERE CONFLICTING REPORTS OF IONOSPHERIC DETECTION (PCA). ASSOCIATED GEOMAGNETIC ACTIVITY WAS SLIGHT. THE CLUSTER OF SPOT GROUPS NOW NEAR S20W80 PRODUCED ONLY ONE SIGNIFICANT FLARE - A SMALL CLASS M (IMP 1N) AT 02/0253Z. THE TOTAL SPOT AREA WITHIN THIS REGION DECAYED GRADUALLY FROM ABOUT 750 MILLIONTHS EARLY IN THE PERIOD, TO LESS THAN 250 MILLIONTHS BY 06 MARCH. A DEVELOPING SPOT GROUP NEAR N15W12 TODAY, HAS BEEN RELATIVELY INACTIVE THUS FAR, BUT DID PRODUCE A PROBABLE CLASS M EVENT (IMP 1N FLARE) AT 07/0212Z.

B. FORECAST FOR THE WEEK 08-14 MARCH 1969 CLN THE N15W12 REGION IS EXPECTED TO CONTINUE ITS DEVELOPMENT WITH THE PRODUCTION OF OCCASIONAL CLASS M EVENTS, BUT NO MAJOR FLARES ARE ANTICIPATED FROM IT. THE BAND OF ACTIVE REGION NEAR N14, VISIBLE LAST ROTATION, IS DUE TO RETURN TO EAST LIMB ABOUT 13 MARCH.

C. 28-DAY FORECAST FOR 08 MARCH-04 APRIL 1969 CLN SOLAR ACTIVITY IS EXPECTED TO BECOME ENHANCED THE LAST TWO WEEKS OF MARCH.

D. DAILY FORECASTS FOR 08-10 MARCH AND EXPECTED MEAN FORECAST FOR 11-14 MARCH 1969 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 30-30-30 /40/

CLASS X 1-1-1 /1/

PROTON EVENTS 1-1-1 /1/

10.7 CM FLUX TODAY IS 140. PREDICTED 132-130-128 /132/.

E. N/A

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

NOTE CLN DEFINITIONS OF CLASS C, M AND X EVENTS CLN CLASS C CLN SOLAR EVENTS NOT ASSOCIATED WITH ANY SIGNIFICANT X-RAYS OR RADIO NOISE. CLASS M CLN SOLAR EVENT WHICH ARE ACCOMPANIED BY SIGNIFICANT X-RAY PRODUCTION, GREATER THAN 10 EXP -2 ERGS/CM EXP 2/SEC IN 0-8 A BAND, OR 10 EXP -3 ERGS/CM EXP 2/SEC IN 0.5-5 A BAND, COMPARABLE SID (SWF OR SPA), OR BY 10 CM RADIO NOISE OUTBURST OF AT LEAST 75 FLUX UNITS OVER BACKGROUND. CLASS X CLN SOLAR EVENTS WHICH ARE ACCOMPANIED BY GREAT X-RAY PRODUCTION, GREATER THAN 10 EXP -1 ERGS/CM EXP 2/SEC IN 0-8 A BAND, OR 10 EXP -2 ERGS/CM EXP 2/CM EXP 2/SEC IN 0.5-5 A BAND, COMPARABLY GREAT SID, OR BY A 10 CM RADIO NOISE OUTBURST OF MORE THAN 1000 FLUX UNITS OVER BACKGROUND AND DURATION GREATER THAN 10 MINUTES. THESE DEFINITIONS ARE SUBJECT TO CHANGE, UPON NOTICE, AS TECHNIQUES AND ASSOCIATIONS BETWEEN PARAMETERS BECOME MORE REFINED.

BT

UUU  
PP KGFF  
DE BOU 072315Z  
THIS IS THE MESSAGE FOR REFILE  
PASS TO H E N V HOUSTON

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 193B ISSUED 2300Z MARCH 7 1969  
CLASS M EVENTS ARE POSSIBLE DURING THE NEXT 12 HOURS.  
A. ONLY OCCASIONAL CLASS C EVENTS HAVE BEEN REPORTED SINCE SDF 193A.  
ONE OF THEM, AN IMPORTANCE 1F FLARE, WAS REPORTED ABOUT 2113Z AT  
SIDE LIMB. THIS AND OTHER EVIDENCE INDICATES THE RETURN OF CENTERS  
OF ACTIVITY TO THE SOUTH-EAST LIMB. AT WEST LIMB PASSAGE ONLY A  
SMALL PLAGE WAS VISIBLE THERE.  
SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 193A.  
E. MAGNETIC A-FREDERICKSBURG FOR MAR 6 WAS 13, FOR MAR 7 ABOUT 8.  
PREDICTED AP FOR MAR 8-10 ALL UNDER 10.  
BT