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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 1 IN 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 1 IN 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 ACCCOMPANIED BY SIGNIFICANT
X-RAY PRODUCTION, GREATER THAN 10^{-2} ERGS/CM EXP 2/SEC IN
0-8 A BAND, OR 10^{-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 ACCCOMPANIED BY GREAT X-RAY PRODUCTION, GREATER THAN
 10^{-1} ERGS/CM EXP 2/SEC IN 0-8 A BAND, OR 10^{-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.

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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
S18E 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.

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