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HAUS BOU 260435Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 578A ISSUED 0400Z 26 MAR 1970

ENERGETIC ACTIVITY (M FLARES) IS EXPECTED FROM ANY ONE OF
THREE REGIONS ON THE DISK.

A. MORE AS A MATTER OF RECORD THE FOLLOWING TWO M FLARES ARE
LISTED CLN 25/0128Z (NO OPTICAL) AND 25/1203Z(1B, N14E09).
THESE TWO ERUPTIONS, ALONG WITH A SOMEWHAT DIFFICULT TO
CLASSIFY LIMB EVENT BEGINNING ABOUT 2003Z, REPRESENT THE MOST
SIGNIFICANT ACTIVITY OF THE PAST DAY. THE LIMB ACTIVITY OCCURRED
IN ASSOCIATION WITH A RETURNING REGION NOW NEAR N04E80, AND
TOOK THE FORM OF A "SPRAY-LIKE BSD/BSL". VERTICALLY MATERIAL
EXTENDED BETWEEN 0.2 AND 0.3 SOLAR RADIUS; LATERALLY IT SPREAD
ROUGHLY 14 DEGREES. THERE EXISTS SOME EVIDENCE FROM PIONEER
6 THAT THIS EVENT SEQUENCE WAS DETECTED ABOUT 3 HOURS LATER AS AN
ENHANCED LOW ENERGY PROTON FLUX. NO IMPORTANT STRUCTURAL CHANGES
IN DISK FEATURES HAVE BEEN REPORTED SINCE THE LAST MESSAGE.

B. A MAGNETIC DISTURBANCE IS STILL EXPECTED TODAY. THE PROJECTED
START TIME OF 25/1800Z APPEARS PREMATURE, HOWEVER, A GRADUAL
STORM ONSET IS CERTAINLY ANTICIPATED BEFORE CARRINGTON LONGITUDE
234 (REGION #595) ALIGN VIS-A-VIS EARTH.

CORRECTION TO PART B, SDF NUMBER 577B CLN N05E10 SHOULD READ N05E90.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 26 MAR/0400Z ENDING 29 MAR/0400Z.

CLASS M OR GREATER 90/100/90

CLASS X 20/30/20

PROTON EVENTS 10/15/25

D. OTTAWA 10.7CM FLUXES FOR 25/1700 AND 2000Z WERE 163 AND 169
RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 578B ISSUED 1700Z 26 MARCH 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY IS CURRENTLY AT A MODERATELY HIGH LEVEL
IN TERMS OF NUMEROUS CLASS C FLARES AND ONE CLASS M FLARE
OBSERVED AT 26/0336Z /IMP 1N/ AT N13W12. THIS REGION AND
THE REGION AT N04E73 HAVE PRODUCED THE MAJORITY OF THE CLASS
C FLARES DURING THE PAST 17 HOURS. THE N13W12 REGION HAS
SHOWN SPOT GROWTH ALONG WITH THE REGION AT N14W06. THIS
LATTER REGION CONTINUES TO SHOW STRONG CIRCULAR FILAMENT.
THE REMAINING REGIONS ARE STABLE. ATS-1 SATELLITE SHOWS A
LOW ENERGY /5-20 MEV/PROTON ENHANCEMENT OF 10 TIMES BACKGROUND
AT 26/1400Z. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M ACTIVITY IS EXPECTED TO CONTINUE FROM THE N13W12,
N14W06 AND N04E73 REGIONS. THE GEOMAGNETIC FIELD IS EXPECTED
TO BECOME DISTURBED LATE THIS ZULU DAY WITH A DISTURBED FIELD
DURING THIS FORECAST PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 26/1700Z ENDING 29/2700Z.

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 10/10/10

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 167. PREDICTED 170/172/175.

E. MAGNETIC A-FREDERICKSBURG FOR 25 MAR WAS 02. FOR 26 MAR
ABOUT 05. PREDICTED AP FOR 27-29 MAR 20/30/15.

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