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NNNN

KMSC

HAUS BOU 040400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 586A ISSUED 0400Z 04 APRIL 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 11 HOURS. ONLY CLASS C ACTIVITY HAS BEEN OBSERVED. ALL REGIONS ON THE VISIBLE DISK HAVE BEEN VERY STABLE WITH REGION N05W50 BEING THE MOST ACTIVE. THE REGION S13E75 HAS DEVELOPED IN STRUCTURE AND SPOTS BUT HAS PRODUCED VERY LITTLE ACTIVITY. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGIONS N05W50 AND S13E75 MAY PRODUCE AN OCCASIONAL CLASS M FLARE. ACTIVITY SHOULD ALSO INCREASE FROM REGION N28E55 DURING THE NEXT 2-3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 APRIL/0400Z ENDING 07 APRIL/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 03/1700Z AND 2000Z WERE BOTH 164.

SOLTERWARN

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NNNN1707

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KMSC

HAUS BOU 041705Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 586B ISSUED 1700Z 04 APRIL 1970

CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. A LARGE SUB-NORMAL FLARE OCCURRED AT 04/1159Z IN PLAGE NEAR S13W05 WHERE SPOTS ARE JUST BEGINNING TO DEVELOP. MINOR SPOT GROWTH AND REORIENTATION HAVE OCCURRED IN THE TRAILING PORTIONS OF REGIONS NEAR N28E45 AND S12E30. THE REGION NEAR N05W48 HAS SHOWN SOME DECAY IN WHITE LIGHT, BUT PLAGE BORDERING A FILAMENT WHICH ENTERS TRAILING PORTION HAS BEEN BRIGHT AND FLUCTUATING. SIGNIFICANT CHANGES HAVE OCCURRED IN THE LARGE REGION NEAR S13E60. THE REGION AS A WHOLE IS NOW AN F-TYPE AND IS APPROACHING AN AREA OF 1000. BASICALLY, IT NOW CONSISTS OF A LARGE SYMMETRIC LEADER AND TWO LARGE ASYMMETRIC FOLLOWERS WITH SMALLER SPOTS DEVELOPING IN THE VICINITY OF THE FOLLOWERS. THE REGION IS BECOMING INCREASINGLY COMPLEX AND APPEARS TO CONTAIN ONE AND POSSIBLY TWO MAGNETIC DELTA CONFIGURATIONS. THE GEOMAGNETIC FIELD IS QUIET AT MID LATITUDES AND SLIGHTLY DISTURBED AT HIGH LATITUDES.

B. CLASS M ACTIVITY IS EXPECTED AND CLASS X ACTIVITY IS POSSIBLE DURING THE NEXT 3 DAYS. THE N05W48, N28E45, AND S12E30 REGIONS ARE ALL POTENTIAL SOURCES OF CLASS M ACTIVITY. THE SLEEPING GIANT NEAR S13E60 IS BEGINNING TO SHOW SIGNS OF AWAKENING AND, IF PRESENT TRENDS CONTINUE, IT COULD DEVELOP THE POTENTIAL FOR MAJOR ACTIVITY QUITE RAPIDLY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 APRIL/1700Z ENDING 07/1700Z.

CLASS M OR GREATER 70/80/90

CLASS X H 10/15/20

PROTON EVENTS 05/10/15

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 173. PREDICTED 180/185/190.

E. MAGNETIC A-FREDERICKSBURG FOR 03 APRIL WAS 09. FOR 04 APRIL ABOUT 10. PREDICTED AP FOR 05-07 APRIL, 10/10/10.

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