

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 545A ISSUED 0400Z 22 FEBRUARY 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. FLARE ACTIVITY HAS CONTINUED AT A MODERATE RATE DURING THE PAST 11 HOURS. THE FLARES HAVE BEEN CLASS C FLARES BUT THOSE FROM N19E69 HAVE SHOWN STRONG XRAY EMISSION. A CLASS M EVENT WAS RECORDED 21/1855Z. PLAGE GROWTH HAS CONTINUED TODAY IN REGION S17E07. NO NEW SPOTS HAVE BEEN OBSERVED IN THIS REGION TODAY. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE PROBABLE FROM REGIONS S17E07, N20E43 AND N19E69. THE GEOMAGNETIC FIELD WILL SHOW DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 FEB/0400Z ENDING 25 FEB/0400Z

CLASS M OR GREATER 80/80/80

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 21/1700Z AND 2000Z WERE 192 AND 197 RESPECTIVELY.

SOLTERWARN

NNNN1700

NNNN

KMSC

HAUS BOU 221700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 545B ISSUED 1700Z 22 FEB 1970

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 11 HOURS.

A. ONLY MINOR ACTIVITY HAS BEEN OBSERVED DURING THE PAST 13 HOURS. DISK FEATURES SHOW RELATIVELY LITTLE CHANGE, THE MOST SIGNIFICANT CHANGES BEING CONTINUED SLOW SPOT GROWTH IN THE N20E32 AND N18E59 REGIONS. A NEW REGION IS DEVELOPING NEAR N20E06 AND NEW PLAGE IS CROSSING THE EAST LIMB NEAR N27, THE GEOMAGNETIC FIELD IS VERY QUIET.

B. SCATTERED CLASS M FLARES ARE EXPECTED DURING THE NEXT 72 HOURS. THE MOST LIKELY SOURCES OF CLASS M, ACTIVITY AT PRESENT APPEAR TO BE THE N18E59 AND S14W04/S15E04 REGIONS. NO SINGLE REGION SEEMS CAPABLE OF DOMINATING THE ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 22 FEB/1700Z ENDING 25/1700Z.

CLASS M OR GREATER 70/80/80

CLASS X 15/15/15

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 186. PREDICTED 186/130/175.

E. MAGNETIC A-FREDERICKSBURG FOR 21 FEB WAS 01. FOR 22 FEB ABOUT 02 PREDICTED AP FOR 23-25 FEB, 03/03/10.

SOLTERWARN

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