

KMSC

HAUS BOU 180400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 722A ISSUED 0400Z 18 AUGUST 1970

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY ON THE VISIBLE DISK HAS BEEN QUITE LOW DURING THE PAST 11 HOURS. BSL ACTIVITY ON THE WEST LIMB HAS BEEN OBSERVED THROUGH MOST OF THE PAST ZULU DAY. THE MAGNETIC STORM WHICH BEGAN 16/2204Z REACHED MAJOR PROPORTIONS. THE ATS-1 SATELLITE READOUTS HAVE CONTINUED TO DECLINE AND GROUND BASED DETECTORS INDICATE SMALL PCA HAS ENDED. FORBUSH DECREASE OF 5.3 PERCENT STILL EXISTS.

B. ONE OR TWO CLASS M FLARES EACH DAY ARE PROBABLE FROM REGIONS N10E27 AND S09W57. THE MAGNETIC STORM IS EXPECTED TO INCREASE TO GREAT PROPORTIONS DURING THE NEXT 4-6 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 AUG/0400Z ENDING 21 AUG/0400Z

CLASS M OR GREATER 60/60/50

CLASS X 10/5/5

PROTON EVENTS 20/20/10

D. OTTAWA 10.7 CM FLUXES FOR 17/1700Z AND 17/2000Z WERE 151 AND 146 RESPECTIVELY.

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HAUS BOU 181705Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 722B ISSUED 1700Z 18 AUG 1970

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL THE PAST 24 HOURS. A CLASS M X-RAY BURST OCCURRED AT 17/2045Z BUT NO OPTICAL REPORT CORRELATED WITH THIS TIME. THE REGION AT N10E22 REMAINS THE MOST IMPRESSIVE DISK FEATURE. THERE HAS BEEN LITTLE STRUCTURAL CHANGE BUT THE REGION HAS GIVEN OFF A MODERATE NUMBER OF SMALL FLARES. THE REGION AT N22W83 HAS GROWN AND HAS BRIGHT PLAGE. A NEW SPOT GROUP HAS EMERGED AT S14W47 AND A H-TYPE SPOT HAS APPEARED AT N06E83. THE LIMBS ARE QUIET. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF SEVERE DISTURBANCE.

B. OCCASIONAL CLASS C FLARES ARE EXPECTED IN THE NEXT 72 HOURS. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO CONTINUE FOR SEVERAL DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 18 AUG/1700Z ENDING 21 AUG/1700Z.

CLASS M OR GREATER 55/50/45

CLASS X 02/02/02

PROTON EVENTS 20/15/10

D. OTTAWA 10.7 CM FLUX FOR 18/1400Z WAS 141.

PREDICTED 10.7 CM FLUX FOR 19-21 AUG IS 136/133/131.

E. MAGNETIC A-FREDERICKSBURG FOR 17 AUG WAS 65. FOR 18 AUG ABOUT 35. PREDICTED AP FOR 19-21 AUG, 33/15/15.

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