

KMSL

HAUS BOU 230400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 727A ISSUED 0400Z 23 AUGUST 1970

CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 13 HOURS.

A. ONLY ONE CLASS M EVENT WAS OBSERVED DURING THE ZULU DAY, A SN FLARE 22/0242Z IN REGION N19E31. THIS REGION NOW AT N19E16 HAS BEEN THE ONLY ACTIVE REGION ON THE VISIBLE DISK. ALL OTHER REGIONS ARE QUIET AND STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE NEXT 72 HOURS. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED. ONLY MINOR DISTURBANCES IN THE GEOMAGNETIC FIELD IS EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 AUG/0400Z ENDING 26 AUG/0400Z

CLASS M OR GREATER 55/50/50

CLASS X 04/03/03

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 22/1700Z AND 22/2000Z WERE 139 AND 137 RESPECTIVELY.

SOLTERWARN

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HAUS BOU 231700Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 727B ISSUED 1700Z 23 AUG 1970

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED LOW THE PAST 24 HOURS. A NEW REGION IS DEVELOPING AT N22W82; SPOTS IF ANY HAVE NOT BEEN OBSERVED BUT THE PLAGE HAS BEEN CONTINUOUSLY FLARE BRIGHT. SURGES ON THE LIMB HAVE BEEN CONTINUOUS NEAR THIS REGION. BRIGHT PLAGE IS NOTED IN REGIONS NEAR N20E07 AND S05W34. THE REST OF THE DISK REMAINS UNCHANGED. ATS-1 PROTON COUNTERS SHOWED A GRADUAL INCREASE BEGINNING 23/0700Z AND PRESENTLY BOTH 5-21 MEV AND 21-70 MEV CHANNELS ARE 5 TIMES BACKGROUND AND DECLINING. IT IS BELIEVED THIS ENHANCEMENT CAN BE ATTRIBUTED TO A CLOUD OF TRAPPED PARTICLES ASSOCIATED WITH THE AUG 12 PROTON EVENT.

B. SOLAR ACTIVITY IS EXPECTED TO BE CONFINED TO LOW ENERGY SUBFLARES FROM N22W82, N09W19 AND N20E07. THE GEOMAGNETIC FIELD IS EXPECTED TO HAVE OCCASIONAL MINOR DISTURBANCES IN THE NEXT 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 AUG/1700Z ENDING 26 AUG/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 02/02/02

PROTON EVENTS 05/03/01

D. OTTAWA 10.7 CM FLUX FOR 23/1400Z WAS 143. PREDICTED 10.7 CM FLUX FOR 24-26 AUG IS 138/138/138.

E. MAGNETIC A-FREDERICKSBURG FOR 22 AUG WAS 04. FOR 23 AUG ABOUT 14 PREDICTED AP FOR 24-26 AUG, 12/8/6.

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