

NNNN

KMSC

HAUS BOU 170400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 509A ISSUED 0400Z 17 JANUARY 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. THE SOLAR ACTIVITY HAS CONTINUED AT A LOW LEVEL DURING THE LAST 13 HOURS. ONLY CLASS C FLARES HAVE BEEN OBSERVED. THE REGION AT S22W38 HAS CONTINUED TO GROW SLOWLY AND IS THE BRIGHTEST ON THE DISK. ALL OF THE REGIONS ON THE DISK APPEAR STABLE AND WILL PRODUCE ONLY MINOR FLARE ACTIVITY. THE GEOMAGNETIC FIELD HAS SHOWN SLIGHT DISTURBANCE SINCE 16/0500Z.

B. SOLAR ACTIVITY WILL CONTINUE AT LOW LEVEL WITH PROBABILITY OF AN OCCASIONAL CLASS M FLARE. THE MAGNETIC DISTURBANCE WILL NOT REACH STORM PROPORTIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 JAN/0400Z ENDING 20 JAN/0400Z

CLASS M OR GREATER 45/45/45

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX 16/1700Z AND 2000Z WERE 184 AND 186 RESPECTIVELY.

SOLTERWARN

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KMSC

HAUS BOU 171810Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 509B ISSUED 1700Z 17 JANUARY 1970

CLASS C FLARES ARE EXPECTED IN THE NEXT 11 HOURS.

A. NO ACTIVITY OF M ENERGY HAS BEEN REPORTED SINCE SDF 509A.

CLASS C ACTIVITY HAS BEEN REPORTED FROM THE N17E34 REGION, WHERE PENUMBRAL GROWTH, ARCH FILAMENT STRUCTURE AND PLAGE FLUCTUATIONS ARE REPORTED. CLASS C ACTIVITY HAS ALSO BEEN REPORTED FROM S19W42 REGION, WHERE WHITE LIGHT GROWTH AND POINT BRIGHTENINGS ARE REPORTED. AN ADF WAS REPORTED IN S11W66 REGION, BUT NO FURTHER ACTIVITY. A RETURNING ACTIVE CENTER IS REPORTED BY CARNARVON AT S06E. THE GEOMAGNETIC FIELD HAS BEEN SOMEWHAT DISTURBED, BUT IS CURRENTLY QUIETING. PROTON FLUXES AT ATS-1 ARE CURRENTLY AT BACKGROUND.

B. MONOR ACTIVITY EXPECTED TO CONTINUE FROM N17E34 AND S19W42 REGIONS. GEOMAGNETIC ACTIVITY EXPECTED TO CONTINUE DURING NEXT FOUR DAYS, BASED ON PIONEER DATA.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 JAN/1700Z ENDING 20 JAN/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 190. PREDICTED 195/190/180.

E. MAGNETIC A-FREDERICKSBURG FOR 16 JANUARY WAS 14. FOR 17 JANUARY ABOUT 10. PREDICTED AP FOR 18-20 JAN; 10/10/15

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