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KMSC

HAUS BOU 270400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 519A ISSUED 0400Z 27 JANUARY 1970

CLASS M FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS INCREASED GREATLY DURING THE PAST 24 HOURS.

NUMEROUS CLASS C FLARES HAVE BEEN REPORTED. THE FLARE 26/1526Z AT S14W03 HAS BEEN CLASSED AS AN M FLARE OPTICAL 1N. THIS REGION S14W03 HAS PRODUCED MANY SUB FLARES AS WELL AS THE 1N. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM THE REGION S14W03 AND S05E20.

THESE REGIONS WILL ALSO PRODUCE NUMEROUS CLASS C FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR

PERIODS BEGINNING 27 JAN/0400Z ENDING 30 JAN/0400Z

CLASS M OR GREATER 45/45/45

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX 26/1700Z AND 2000Z WERE 169 AND 165

RESPECTIVELY.

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HAUS BOU 271700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 519B ISSUED 1700Z 27 JANUARY 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH MOST OF THE FLARES ORIGINATING FROM THE S15W17 REGION. A CLASS M FLARE WAS OBSERVED IN THIS REGION AT 26/2233Z /IMP 1N/ AND A TENTATIVE ONE AT 27/0402Z /IMP 1N/. THE MOST SIGNIFICANT CHANGES IN THIS REGION ARE PENUMBRAL GROWTH CONNECTING THE TWO TRAILER PORTIONS OF SPOT GROUPS, LARGER, DARKER AND MORE SYMMETRICAL UMBRAS IN BOTH LEADER AND FOLLOWER AND NEW, SMALLER SPOTS GROWING BETWEEN THE LEADER AND FOLLOWER. THE PLAGE AREA IS UNCHANGED FROM 24 HOURS AGO. IN ADDITION ITS 9.1 CM TEMPERATURE HAS INCREASED BY 75 PERCENT FROM 24 HOURS AGO. SPOT GROWTH HAS OCCURRED AT S06E14 AND S05E20. THE REMAINING REGIONS ARE STABLE. THE GEOMAGNETIC FIELD IS QUIET. ATS-1 SATELLITE PROTON FLUXES ARE AT BACKGROUND.

B. CLASS M FLARES ARE EXPECTED TO INCREASE DURING THE NEXT 3 DAYS FROM THE S15W17 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27/1700Z ENDING 30/1700Z.

CLASS M OR GREATER 60/65/70

CLASS X 05/10/15

PROTON EVENTS 02/05/05

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 168. PREDICTED 175/178/180.

E. MAGNETIC A-FREDERICKSBURG FOR 26 JAN WAS 02. FOR 27 JAN ABOUT 04. PREDICTED AP FOR 28-30 JAN 06/08/08.

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