

NNNN

KMSC

HAUS BOU 200400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 051A ISSUED 0400Z 20 FEBRUARY 1971

CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS PROBABLE DURING THE NEXT 13 HOURS.

A. DURING THE PAST FEW HOURS ACTIVITY HAS INCREASED FROM REGION S17E49. DURING THE PAST 11 HOURS MOST OF THE ACTIVITY HAS BEEN FROM REGIONS S17E49 AND N17W29. ALL ACTIVITY HAS BEEN NON-ENERGETIC. THE REST OF THE DISK IS QUIET AND STABLE. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM THE REGION S17E49 DURING THE NEXT THREE DAYS. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 FEB/0400Z ENDING 23 FEB/0400Z
CLASS M OR GREATER 90/90/90

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 19/1700Z AND 19/2000Z WERE 146 AND 140 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN

1716

NNNN

KMSC

HAUS BOU 201700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 051B ISSUED 1700Z 20 FEB 1971

OCCASIONAL CLASS-C FLARES AND ONE OR TWO CLASS-M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS CONSISTED OF SPORADIC SUBFLARES FROM THE REGIONS AT S17E41 AND N21W50. A SUBNORMAL FLARE AT 20/0813Z FROM THE N21W50 REGION PRODUCED A CLASS M2 X-RAY BURST. MINOR SPOT DEVELOPMENT HAS BEEN OBSERVED IN THE LEADING PORTION OF THE N21W50 REGION, WHICH CONTAINS A LONGITUDINAL NEUTRAL LINE THAT RUNS EAST-WEST AND BISECTS THE PLAGE. THE S17E41 REGION, PRESENTLY DORMANT BUT STILL THE MOST IMPRESSIVE DISK FEATURE, CONTAINS SEVERAL SMALL ACTIVE FILAMENTS IN ITS CENTRAL PLAGE. SLIGHT DEVELOPMENT HAS OCCURRED IN THE REGION AT S06E58, AND A SMALL H-TYPE SPOT ACCCOMPANIED BY FAINT PLAGE HAS CROSSED THE LIMB NEAR SE10. OTHER REGIONS ARE UNIMPRESSIVE. THE GEOMAGNETICS EXHIBITED UNSETTLED CONDITIONS DURING THE PAST 13 HOURS.

B. DURING THE NEXT THREE DAYS, SOLAR ACTIVITY PROBABLY WILL CONSIST OF OCCASIONAL CLASS-C FLARES AND SPORADIC CLASS-M FLARES FROM THE REGIONS AT S17E41 AND N21W50. THERE IS A SMALL CHANCE THAT A MAJOR FLARE COULD BE PRODUCED BY THE S17E41 REGION IF DEVELOPMENT CONTINUES. THE GEOMAGNETIC FIELD IS EXPECTED TO EXHIBIT CONTINUED UNSETTLED CONDITIONS DURING THE NEXT 72 HOURS.

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

CLASS M OR GREATER 90/90/90

CLASS X 10/10/10

PROTON EVENTS 02/02/05

D. OTTAWA 10.7 CM FLUX FOR 20/1400Z WAS 140. PREDICTED 10.7 CM FLUX FOR 21-23 FEB IS 144/146/143.

E. MAGNETIC A-FREDERICKSBURG FOR 19 FEB WAS 08. FOR 20 FEB ABOUT 10 PREDICTED AP FOR 21-23 FEB, 12/12/10.

SOLTERWARN

SPAN

BT