

NNNN 0403

NNNN0404

NNNN

KMSC

HAUS BOU 160405Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 628A ISSUED 0400Z 16 MAY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 24 HOURS SOLAR ACTIVITY HAS BEEN QUITE HIGH FROM REGION S09W17. AT LEAST SIX CLASS M FLARES HAVE BEEN OBSERVED DURING PAST 24 HOURS AS WELL AS NUMEROUS CLASS C FLARES. THE LAST CLASS M A POSSIBLE CLASS X FROM THIS REGION 15/2205Z WAS A ONE BRIGHT FLARE. THE OTHER BIG REGION N17E31 HAS BEEN RATHER QUIET BUT IT HAS SHOWN SOME GROWTH AND DEVELOPMENT DURING PAST 11 HOURS. ALL OTHER REGIONS ON THE DISK ARE QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES WILL CONTINUE AT PRESENT RATE FROM REGION S09W17 AND MORE ACTIVITY IS EXPECTED FROM REGION N17E31. THE GEOMAGNETIC FIELD WILL BECOME SLIGHTLY DISTURBED DURING NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 MAY/0400Z ENDING 19 MAY/0400Z.

CLASS M OR GREATER 95/95/95

CLASS X 40/40/40

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX 15/1700Z AND 2000Z WERE 202 AND 205

SOLTERWARN

SPAN

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NNNN1702

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KMSC

HAUS BOU 161700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 628B ISSUED 1700Z 16 MAY 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY DURING THE PAST 13 HOURS HAS CONSISTED ALMOST ENTIRELY OF RELATIVELY SMALL, ENERGETIC FLARES FROM THE REGION AT S09W28. AT LEAST ONE CLASS-M EVENT HAS OCCURRED; A SUB-NORMAL FLARE AT 16/0734Z FORM S09W23 SATISFIED CLASS-M CRITERIA. IT PRESENTLY APPEARS THAT THE PENUMBRA IN THE REGION AT S09W28 IS BREAKING UP, AND UMBRAL FIELD STRENGTHS SEEM TO BE DECLINING; THE PLAGE OVER THIS REGION, HOWEVER, IS STILL BRIGHT AND FLUCTUATING. A NEW SPOT GROUP IS BREAKING THROUGH AT S16W20. THE REGION AT N17E22 HAS SHOWN ONLY MINOR CHANGES AND IS STILL DORMANT. A NEW REGION HAS ROTATED OVER THE LIMB AT N16E78. THE GEOMAGNETIC FIELD HAS SHOWN PERIODS OF MINOR DISTURBANCE DURING THE PAST 13 HOURS.

B. CLASS-M FLARES ARE EXPECTED FROM THE SOUTHWEST REGION DURING THE NEXT 11 HOURS. CLASS-X FLARES FROM THIS REGION ARE BECOMING PROGRESSIVELY LESS LIKELY AS UMBRAL FIELD STRENGTHS AND PENUMBRA AREA DECLINE. THE GEOMAGNETIC FIELD IS EXPECTED TO BE SLIGHTLY DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 16 MAY/1700Z ENDING 19 MAY/1700Z.

CLASS M OR GREATER 95/90/85

CLASS X 40/30/25

PROTON EVENTS 08/08/08

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS <sup>205</sup>~~209~~. PREDICTED 209/210/210.

E. MAGNETIC A-FREDERICKSBURG FOR 15 MAY WAS 11. FOR 16 MAY ABOUT 08. PREDICTED AP FOR 17-19 MAY, 10/10/10.

SOLTERWARN

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