

NNNN0400

NNNN

KMSC

HAUS BOU 150400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 750A ISSUED 0400Z 15 SEPTEMBER 1970

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. A NEW SPOT GROUP HAS MADE ITS EAST LIMB PASSAGE AT S17. THE PLAGE IS MODERATELY BRIGHT WITH A J TYPE SPOT NOW VISIBLE. ONLY MINOR ACTIVITY HAS BEEN OBSERVED FROM THIS REGION AS IT ROTATED ON THE VISIBLE DISK. THE OTHER REGIONS ON THE DISK ARE ALL STABLE AND ONLY CLASS C FLARES HAVE BEEN OBSERVED. A-TYPE SPOTS HAVE APPEARED AT S19W33 AND S12E10. THE GEOMAGNETIC FIELD HAS HAD PERIODS OF DISTURBANCE.

B. SOLAR ACTIVITY WILL CONTINUE AT ITS LOW LEVEL. THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE TO HAVE PERIODS OF DISTURBANCE DURING THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 SEPT/0400Z ENDING 18 SEPT/0400Z.

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 14/2000Z WERE 120 AND 123 RESPECTIVELY.

NOTE CLN

EFFECTIVE 15 SEPTEMBER 1970 A MORE DESCRIPTIVE CLASSIFICATION OF X-RAY EVENTS IS BEING ADOPTED. HENCEFORTH A NUMBER WHICH SPECIFIES THE SIZE OF THE EVENT MAY BE ADDED TO THE LETTER CLASSIFICATION. THIS NUMBER WILL RANGE FROM 1 TO 9 AND WILL GIVE THE PEAK FLUX OF THE 1-8A X-RAY BURST. UNDER THIS SCHEME

?1? ~~MDASS~~ M3 WILL DESCRIBE AN EVENT HAVING A PEAK FLUX IN THE NEIGHBORHOOD OF 0.03 ERG PER SQ CM PER SEC AND CLASS X3 WILL DESCRIBE AN EVENT HAVING PEAK FLUX NEAR 0.3 ERG PER SQ CM PER SEC, ETC. THE CLASSIFICATION ~~X3PLUS~~ WILL BE USED FOR EVENTS FOR WHICH THE SOLRAD-9 1-8A DETECTORS BECAME SATURATED. THIS CLASSIFICATION WILL BE USED FOR DESCRIPTIVE PURPOSES ONLY; FORECASTS WILL CONTINUE TO BE ISSUED IN TERMS OF THE LETTER CLASSIFICATIONS ONLY. PLEASE NOTE THAT THE BASIC DEFINITIONS OF CLASS C, M, AND X EVENTS REMAIN UNCHANGED.

SOLTERWARN

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NNNN1650

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KMSC

HAUS BOU 151700

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 750B ISSUED 1700Z 15 SEP 1970

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS

A. ABOUT A DOZEN SUBFLARES HAVE BEEN OBSERVED THE PAST 13 HOURS.
MINOR GROWTH HAS BEEN NOTED IN THE N11E05, S23E19 AND S17E73
REGIONS. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE LAST 11 HOURS.

B. THE THREE REGIONS MENTIONED IN PART A ARE EXPECTED TO BE THE
SOURCES OF CLASS C FLARES ONLY. FURTHER DEVELOPMENT IS NEEDED
IN THE ACTIVE CENTERS FOR ENERGETIC FLARES TO OCCUR. THE GEO-
MAGNETIC FIELD IS EXPECTED TO REMAIN QUIET THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 15 SEP/1700Z ENDING 18 SEP/1700Z.

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 15/1400Z WAS 119. PREDICTED 10.7CM
FLUX FOR 16-18 SEP IS 120/122/122.

E. MAGNETIC A-FREDERICKSBURG FOR 14 SEP WAS 18. FOR 15 SEP
ABOUT 12. PREDICTED AP FOR 16-18 SEP IS 04/06/04.

NOTE-EFFECTIVE 15 SEPTEMBER 1970 A MORE DESCRIPTIVE CLASSIFICATION
OF X-RAY EVENTS IS BEING ADOPTED. HENCEFORTH A NUMBER WHICH SPECIFIES
THE SIZE OF THE EVENT MAY BE ADDED TO THE LETTER CLASSIFICATION.
THIS NUMBER WILL RANGE FROM 1 TO 9 AND WILL GIVE THE PEAK FLUX OF
THE 1-8A X-RAY BURST. UNDER THIS SCHEME CLASS M3 WILL DESCRIBE
AN EVENT HAVING A PEAK FLUX IN THE NEIGHBORHOOD OF 0.03 ERG PER
SQ CM PER SEC AND CLASS X3 WILL DESCRIBE AN EVENT HAVING PEAK FLUX
NEAR 0.3 ERG PER SQ CM PER SEC, ETC. THE CLASSIFICATION X5 PLUS
WILL BE USED FOR EVENTS FOR WHICH THE SOLRAD 3 1-8A DETECTORS
BECAME SATURATED. THIS CLASSIFICATION WILL BE USED FOR DESCRIPTIVE
PURPOSES ONLY; FORECASTS WILL CONTINUE TO BE ISSUED IN TERMS OF
LETTER CLASSIFICATIONS ONLY. PLEASE NOTE THAT THE BASIC DEFINITIONS
OF CLASS C, M, AND X EVENTS REMAIN UNCHANGED.

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