

NNNN0356

NNNNQG

KMSC

HAUS BOU 120400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 594A ISSUED 0400Z 12 APRIL 1970

CLASS M FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH REGIONS S11W36 AND N17E11 PRODUCING MOST OF THE ACTIVITY. THE REGION N10W37 HAS HAD SEVERAL SUBFLARES BUT NOT AS NUMEROUS AS YESTERDAY. A 1N FLARE S17W67 AT 12/0118Z AND A 2N AT 12/0055Z N30W55 WERE REPORTED BY CULGOORA. VERY LITTLE RADIO EFFECTS WERE OBSERVED, THEY WERE BASICALLY OPTICAL FLARES. OTHER REGIONS ON THE DISK HAVE BEEN INACTIVE. THE GEOMAGNETIC FIELD IS RELATIVELY QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL. CLASS C FLARES WITH AN OCCASIONAL CLASS M FLARE FROM REGIONS S11W36, N17E11, AND N10W37. THE GEOMAGNETIC FIELD WILL REMAIN AT QUIET LEVELS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 APRIL/0400Z ENDING 15 APRIL/0400Z

CLASS M OR GREATER 90/90/90

CLASS X 25/25/25

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUXES 11/1700Z AND 2000Z WERE 206 AND 207 RESPECTIVELY.

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HAUS BOU 121730Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 594B ISSUED 1700Z 12 APRIL 1970

CLASS M FLARES EXPECTED IN THE NEXT 11 HOURS.

A. ANOTHER EXAMPLE OF AN "ISOLATED FLARE" WAS REPORTED BY TWO OBSERVATORIES AT N28W53 BEGINNING 12/0048Z. ELSEWHERE ON THE DISK, ALL IMPORTANT REGIONS REPRESENT INTERACTIONS BETWEEN OLDER AND YOUNGER BIPOLAR SETS. IN THE REGION AT N11W47, PENUMBRAL FRAGMENTATION IS APPARENT. NO FLARES HAVE BEEN REPORTED IN THIS REGION TODAY. THE PAIR OF ACTIVE CENTERS AT S08W48 AND S13W43 APPEAR SIMPLIFYING, AND HAVE PRODUCED ONLY ONE CLASS C EVENT TODAY. AN EMERGENT BIPOLAR SET IN THE CENTRAL PART OF THE N17E03 REGION HAS PRODUCED MANY SMALL FLARES. THE REGION AT S08E50 PRODUCED AN EVENT OF M ENERGY BEGINNING 12/0736Z, AND SPOT GROWTH HAS BEEN RAPID, ALTHOUGH THE REGION IS STILL QUITE SMALL. SOME EAST LIMB ACTIVITY IS APPARENT AT S05E1, WHERE RETURNING REGIONS ARE EXPECTED. PIONEER 6 AND 7 DATA INDICATE ACTIVITY IN THESE REGIONS. GEOMAGNETIC FIELD IS SOMEWHAT DISTURBED AND PROTON FLUXES AT ATS-1 ARE AT BACKGROUND.

B. MAJOR FLARE ACTIVITY POSSIBLE FROM S08W48/S13W43 INTERACTIVE REGIONS. CLASS M FLARES ARE PROBABLE FROM N17E03 AND S08E50 REGIONS. GEOMAGNETIC DISTURBANCE EXPECTED TO INTENSIFY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 12 APRIL/1700Z ENDING 15 APRIL/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 20/15/15

PROTON EVENTS 20/15/15

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 199. PREDICTED 195/190/185.

E. MAGNETIC A- FREDERICKSBURG FOR 11 APR WAS 10. FOR 12 APR ABOUT 10. PREDICTED AP FOR 13-15 APR, 20/10/08.

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