

HAUS BOU 040400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 647A ISSUED 0400Z 04 JUNE 1970

NO MORE THAN ONE CLASS M FLARE, IF THAT, IS EXPECTED DURING THE NEXT 13 HOURS.

A. THE NINE DISK FEATURES CURRENTLY VISIBLE APPEAR FURTHER SUBDUED IN HYDROGEN LIGHT FROM YESTERDAY. AT THE SAME TIME DEVELOPMENT WITHIN THESE REGIONS HAS BEEN ALMOST NEGLIGIBLE.

EVIDENCE IN THE FORM OF STRONG GREEN LINE EMISSION /5303A, FE IVX/, 9.1CM RADIO CONTOURS, AND THE PIONEER 7 0.6-13 MEV WINDOW IMPLY THAT A SPOT GROUP NEAR S12EL IS ACTIVE. TWO CLASS C FLARES WERE OBSERVED IN THERE YESTERDAY, ONE OF WHICH EJECTED MATERIAL INTO AN ARCH-LIKE FORM ABOVE THE LIMB.

B. IT IS AS YET TOO EARLY TO DETERMINE THE DEVELOPMENT STAGE OF THE REGION OR REGIONS JUST BEYOND THE EL. NO OTHER SECTOR, HOWEVER, APPEARS TO HOLD MORE PROMISE IN TERMS OF RADICALLY CHANGING THE ACTIVITY INDEX THESE NEXT 3 DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 JUNE/0400Z ENDING 07 JUNE/0400Z.

CLASS M OR GREATER 30/35/40

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 03/1700Z AND 03/2000Z WERE BOTH 130. SOLTERWARN

SPAN

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NNNN1656

NNNN

KMSC

HAUS BOU 041700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 647B ISSUED 1700Z 04 JUNE 1970

NO ENERGETIC FLARES EXPECTED DURING THE NEXT 11 HOUR

A. ONLY MINOR CHANGES HAVE OCCURRED IN THE DISK REGIONS, GENERALLY THEY CONTINUE TO DECLINE. AN H TYPE SPOT HAS ROTATED ONTO THE DISK, LOCATION NOW IS S14E85. PLAGE ASSOCIATED WITH THIS SPOT OR OTHER NEIGHBORING REGIONS EXTENDS FROM S05 TO S20 EAST LIMB. MODERATE BSL ACTIVITY HAS BEEN OBSERVED IN THIS AREA. NEUTRON MONITORS ARE SHOWING A SLOW RECOVERY FROM THE RECENT FORBUSH DECREASE AND ARE PRESENTLY 2.3 PERCENT BELOW NORMAL.

B. SAME AS BEFORE, FORECAST 647A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 04 JUNE/1700Z ENDING 07 JUNE/1700Z.

CLASS M OR GREATER 30/35/40

CLASS X 02/02/02

PROTON EVENTS 01/01/10

D. OTTAWA 10.7 CM FLUX FOR 04/1400Z WAS 129. PREDICTED 10.7 CM FLUX FOR 05-07 JUNE IS 125/125/128.

E. MAGNETIC A-FREDERICKSBURG FOR 03 JUNE WAS 13. FOR 04 JUNE ABOUT 09. PREDICTED AP FOR 05-07 JUNE 08/10/08.

SOLTERWARN

SPAN

BT