

KMSC

HAUS BOU 270400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 670A ISSUED 0400Z 27 JUNE 1970

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS NO CLASS M EVENTS HAVE BEEN OBSERVED. THE REGION N23E52 IS THE BRIGHTEST ON THE DISK AND HAS PRODUCED SEVERAL NON-ENERGETIC SUBFLARES DURING THE PAST 11 HOURS. ITS GROWTH HAS CONTINUED DURING MOST OF THE PAST ZULU DAY. THE ACTIVITY ON THE EAST LIMB CONTINUED UNTIL ABOUT 26/2030Z. NO SPOTS OR PLAGE ARE VISIBLE IN THE AREA OF THE ACTIVITY. THE GEOMAGNETIC FIELD IS QUIET.

B. THE REGIONS N23E52, N09W10 AND NE16 WILL BE THE AREAS OF CONTINUED ACTIVITY DURING THE NEXT 13 HOURS. THE GEOMAGNETIC FIELD WILL REMAIN QUIET WITH PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 JUNE/0400Z ENDING 30 JUNE/0400Z
CLASS M OR GREATER 60/60/60

CLASS X 02/02/02

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE 146 AND 150 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNNUU0401

NNNNOCUIT

NNNUU1650

NNNUMVGMVXMVQMVJMVF MVBM

KMSC

HAUS BOU 271700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 670B ISSUED 1700Z 27 JUNE 1970

ONE OR TWO CLASS-M FLARES ARE LIKELY DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATELY LOW LEVEL DURING THE PAST 13 HOURS; NO CLASS-M FLARES HAVE YET BEEN REPORTED. AN IMPORTANCE ONE-BRILLIANT FLARE OCCURRED AT 27/1247Z FROM THE REGION AT S08E34, BUT THIS FLARE APPARENTLY WAS MOST ENERGETIC AT OPTICAL WAVELENGTHS. THE REGION AT N22E43 IS CURRENTLY THE MOST IM-

PRESSIVE DISK FEATURE, BUT ITS OUTPUT OF ENERGETIC FLARES HAS BEEN RELATIVELY LOW SO FAR; CONSIDERABLE SPOT DEVELOPMENT HAS OCCURRED

IN THIS F-TYPE REGION OVER THE PAST 24 HOURS, ESPECIALLY IN THE LEADER PORTION. DEVELOPMENT ALSO HAS OCCURRED IN THE REGIONS AT S08E34 AND N06E07. THE REGIONS AT N22W13 AND N09W19 CONTAIN UN-

IMPRESSIVE, SMALL SPOT GROUPS BUT POSSESS RELATIVELY WELL-DEVELOPED H-ALPHA PLAGE AND ABSORPTION FEATURES. A LARGE H-TYPE SPOT HAS CORSED THE LIMB AT SE08. OTHER DISK REGIONS ARE UNIMPRESSIVE.

A GEOMAGNETIC STORM BEGAN WITH A SUDDEN COMMENCEMENT AT 27/0606Z;

THE MOST SEVERE DISTURBANCE OBSERVED IN BOULDER WAS A 160-GAMMA DEFLECTION OF THE D-COMPONENT BETWEEN 0730Z AND 0830Z. THE

MAGNETIC FIELD REMAINED SIGNIFICANTLY DISTURBED UNTIL APPROXIMATELY 1045Z, CALMED SOMEWHAT, AND THEN AGAIN BECAME DISTURBED AT ABOUT 1400Z. SINCE 1530Z CONDITIONS HAVE BEEN RELATIVELY QUIET. DEEP

RIVER NEUTRON MONITOR COUNTS DROPPED ABOUT 3 PERCENT BETWEEN 27/0610Z AND 0730Z AND THEN BEGAN A GRADUAL RECOVERY.

B. SPORADIC CLASS-M ACTIVITY IS ANTICIPATED DURING THE NEXT 24 HOURS; THE REGIONS AT N22E43, S08E34, N22W13, AND N09W19 ALL APPEAR CAPABLE OF OCCASIONAL ENERGETIC FLARE PRODUCTION. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SLIGHTLY TO MODERATELY DISTURBED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 JUNE/1700Z ENDING 30 JUNE/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 153. PREDICTED 10.7 CM FLUX FOR 28-30 JUNE IS 158/162/165.

E. MAGNETIC A-FREDERICKSBURG FOR 26 JUNE WAS 13. FOR 27 JUNE ABOUT 26. PREDICTED AP FOR 28-30 JUNE IS 15/13/10.

SOLTERWARN

SPAN

BT