

NNNNUU0400

NNNNUM

KMSC

HAUS BOU 230400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 605A ISSUED 0400Z 23 APRIL 1970

SPORADIC NON-ENERGETIC FLARES SHOULD CHARACTERIZE THESE NEXT 13 HOURS.

A. A TOTAL OF ABOUT 10 SUBFLARES WELL SCATTERED OVER THE DISK WAS LOGGED DURING THE PREVIOUS DAY. OF THE 5 REGIONS CURRENTLY VISIBLE NO ONE GROUP EXCEEDS 200 MILLIONTHS IN AREA; ALL ASSOCIATED HYDROGEN PLACES APPEAR BROKEN AND SUBDUED. THE MAJOR MAGNETIC STORM IN PROGRESS SINCE 20/1122Z ENDED SOMETIME DURING THE 15 TO 1800Z INTERVAL YESTERDAY. IN ADDITION NEUTRON MONITOR COUNTING RATES HAVE RETURNED TO PRESTORM VALUES.

B. THE PRESENT SUNSPOT MINIMUM CONDITIONS SHOULD PERSIST FOR AT LEAST THREE MORE DAYS. M FLARES, IF ANY, OCCURRING DURING THIS PERIOD WILL LIKELY BE BORDERLINE EVENTS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 APRIL/0400Z ENDING 26/0400Z.

CLASS M OR GREATER 30/30/30

CLASS X 2/2/2

PROTON EVENTS 1/1/1

D. OTTAWA 10.7CM FLUXES FOR 22/1700 AND 2000Z WERE 127 AND 126 RESPECTIVELY.

SOLTERWARN

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1648

NNNNNDM

KMSC

HAUS BOU 231633Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 605B ISSUED 1700Z 23 APRIL 1970

OCCASIONAL CLASS C FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A RELATIVELY LOW LEVEL DURING THE PAST 13 HOURS; ONLY NON-ENERGETIC SUBFLARES HAVE BEEN REPORTED. THE MOST INTERESTING REGION CURRENTLY ON THE DISK IS THE SPOT GROUP LOCATED AT S08W09. THIS GROUP HAS EXHIBITED GROWTH, STRONG PROPER MOTIONS, AND CONSIDERABLE COMPRESSION OF THE DISTANCE BETWEEN THE LEADER AND FOLLOWER SECTIONS DURING THE PAST 24 HOURS; THE PLAGE OF THIS ACTIVE REGION, THOUGH OF SMALL AREA, IS CURRENTLY RELATIVELY ENHANCED. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET WITH ONLY INFREQUENT PERIODS OF MINOR DISTURBANCE.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A RELATIVELY LOW LEVEL. THE REGION AT S08W09 MAY BE THE SITE OF ENERGETIC SUBFLARES IF THE CURRENT PATTERN OF DEVELOPMENT CONTINUES. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET WITH OCCASIONAL PERIODS OF SLIGHT DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23 APRIL/1700Z ENDING 26 APRIL/1700Z.

CLASS M OR GREATER 45/50/55

CLASS X 02/02/02

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 130. PREDICTED 133/135/136.

E. MAGNETIC A-FREDERICKSBURG FOR 22 APRIL WAS 33. FOR 23 APRIL ABOUT 11. PREDICTED AP FOR 24-26 APRIL 10/12/10.

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