

KBOU

HAUS BOU 250500

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 145A ISSUED 0500Z 25 MAY 1971

ONLY CLASS C EVENTS ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. THE THREE REGIONS ON THE VISIBLE DISK ARE SMALL AND VERY INACTIVE. THE REGION N12E55 IS THE BRIGHTEST AND MOST INTERESTING DISK FEATURE. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. THE GEOMAGNETIC FIELD WILL HAVE PERIODS OF MINOR DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 25 MAY/0000Z ENDING 27 MAY/2400Z

CLASS M OR GREATER 15/30/35

CLASS X 01/02/05

PROTON EVENTS 01/01/01

SOLTERWARN

SPAN

BT

KBOU

HAUS BOU 252200

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 145B ISSUED 2200Z 25 MAY 1971

CLASS C FLARES EXPECTED DURING THE NEXT 24 HOURS.

A. THE N12E43 REGION HAS GROWN TO A CLASS/AREA OF D/290 AND HAS PRODUCED ABOUT EIGHT SUBFLARES TODAY. OUR MAGNETIC ANALYSIS INDICATES A SIMPLE BIPOLAR REGION WITH A DOMINANT LEADER. ARCH FILAMENTS ARE LOCATED IN THE CENTER OF THE REGION SUGGESTING FURTHER GROWTH. SEVERAL INACTIVE PROMINENCE STRUCTURES MARK THE SPOT OF A PAST ACTIVE REGION RETURNING TO THE EAST LIMB ON MAY 26.

B. INCREASING PROBABILITIES ARE BASED ON THE GROWTH OF THE NE REGION. THIS BRIGHT PLAGE REGION COULD EASILY DEVELOP SOME MAGNETIC COMPLEXITIES WHICH WOULD ENHANCE CHANCES FOR ENERGETIC FLARES.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 MAY/0000Z ENDING 28 MAY/2400Z.

CLASS M OR GREATER 40/45/50

CLASS X 05/05/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z - 25/1700Z AND 25/2000Z WERE 92,90 AND 90 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR 26-28 MAY IS 92/94/96.

E. MAGNETIC A-FREDERICKSBURG FOR 24 MAY WAS 08. FOR 25 MAY ABOUT 05 PREDICTED AP FOR 26-28 MAY, 05/05/05.

SOLTERWARN

SPAN

BT