

NNNN

KBOU

HAUS BOU 270400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 086A ISSUED 0400Z 27 MARCH 1971

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. DURING THE PAST 11 HOURS SOLAR ACTIVITY HAS BEEN VERY LOW. A FEW NON ENERGETIC SUBFLARES HAVE BEEN OBSERVED FROM THE REGION S17E57. THIS REGION IS THE MOST INTERESTING DISK FEATURE. A FEW SMALL SURGES HAVE BEEN OBSERVED AT SE14 AND NW07. A NEW REGION HAS DEVELOPED AT N07W85 BUT NO SPOTS ARE VISIBLE. THE REST OF THE DISK IS QUIET. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. CLASS C ACTIVITY IS EXPECTED FROM REGION AT S17E57. THE GEOMAGNETIC FIELD WILL HAVE SHORT PERIODS OF MINOR DISTURBANCE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 MARCH/0400Z ENDING 30 MARCH/0400Z

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 26/1700Z AND 26/2000Z WERE BOTH 108.

SOLTERWARN

SPAN

BT

NNNN

NNNN

KBOU

HAUS BOU 271700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 086B ISSUED 1700Z 27 MARCH 1971

OCCASIONAL CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS, AND ONLY A FEW CLASS C EVENTS HAVE BEEN REPORTED. THE ACTIVE CENTER AT S18E48 PRESENTLY CONTAINS BRIGHT, FLUCTUATING PLAGE AND A KINKED LONGITUDINAL NEUTRAL LINE. MODERATELY STRONG MAGNETIC GRADIENTS ARE PRESENT IN THE NORTHERN PART OF THE TRAILING SECTION, SOUTHEAST OF THE NORTHERN LEADING SPOT, AND NORTHEAST OF THE SOUTHERN LEADING SPOT OF THE S18E48 GROUP. THE NEW REGION ON THE LIMB NEAR NW05 RECENTLY HAS PRODUCED SMALL SURGES AND A SUBFLARE. THE OTHER GROUPS ARE RELATIVELY UNIMPRESSIVE. UNSETTLED GEOMAGNETIC CONDITIONS HAVE BEEN OBSERVED DURING THE PAST 13 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, THE REGION NOW AT S18E48 IS EXPECTED TO REMAIN THE MOST DYNAMIC FEATURE ON THE SOLAR DISK. OCCASIONAL CLASS C FLARES AND PERHAPS ON OR TWO SMALL CLASS M FLARES ARE LIKELY. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME RELATIVELY QUIET DURING THE NEXT 24 HOURS.

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

CLASS M OR GREATER 35/40/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 27/1400Z WAS 108. PREDICTED 10.7 CM FLUX FOR 28-30 MAR IS 110/114/116.

E. MAGNETIC A-FREDERICKSBURG FOR 26 MAR WAS 11. FOR 27 MAR ABOUT 08. PREDICTED AP FOR 28-30 MAR, 07/05/06.

SOLTERWARN

SPAN

BT

NNNN

KSFF

HAUS KSFF NRO2 271500

AEROSPACE ENVIRONMENTAL SUPPORT CENTER NORAD CHEYENNE MOUNTAIN
COMPLEX.

SECONDARY REPORT OF SOLAR GEOPHYSICAL ACTIVITY ISSUED AT 271500Z
MAR 1971. THIS MESSAGE IN SIX PARTS.

PART I. REGION 109 (S19 E57) MAINTAINS ITS MAGNETIC COMPLEXITY, BUT
OCCASIONAL POINT BRIGHTENINGS HAVE BEEN THE ONLY REPORTED ACTIVITY.
AN IMPORTANCE TWO ACTIVE PROMINENCE NEAR NE15-20 MAY INDICATE THE
RETURN OF OLD AESC REGION 077 FOR ITS FOURTH DISK TRANSIT. THE
REMAINDER OF THE DISK REGIONS ARE UNINTERESTING OR UNCHANGED.

PART II. NO SIGNIFICANT SOLAR EVENTS HAVE BEEN REPORTED DURING THE
PAST SIX HOURS. THE GEOMAGNETIC FIELD IS QUIET BUT MAY EXPERIENCE
SLIGHTLY DISTURBED PERIODS, ESPECIALLY AT THE MORE NORTHERLY
LATITUDES, DURING THIS FORECAST PERIOD.

PART III. HF PROPAGATION CONDITIONS WILL REMAIN GENERALLY GOOD.
OCCASIONAL FAIR CONDITIONS ARE LIKELY ON LONG HAUL EAST-WEST
PATHS WITH THE SUNRISE TRANSITION. MUFs WILL REMAIN NEAR SEASONAL
NORMALS.

PART IV. N/C

PART V. N/C

PART VI. N/C

SPAN

BT