

NNNNUU0401

NNNN

KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 610A ISSUED 0400Z 28 APRIL 1970

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

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 11 HOURS. THE REGION S12E60 HAS SHOWN GROWTH DURING THE PAST 6 HOURS WITH A NEW FILAMENT DEVELOPING IN THE FOLLOWER PORTION. A NEW ACTIVE SPOT APPEARED BETWEEN S12E60 AND S08E46. A NEW SPOT STARTED TO ROTATE ON THE DISK AT ABOUT S15. ANOTHER NEW SPOT APPEARED AT S14E05. SEVERAL OF THESE NEW REGIONS HAVE SHOWN RAPID GROWTH. THE REGIONS NEAR THE WEST LIMB ARE DECAYING. THE GEOMAGNETIC FIELD REMAINS QUIET.

B. THE NEW SPOT AREA BETWEEN S12E60 AND S08E46 WILL BEAR WATCHING IF IT CONTINUES TO DEVELOP AT A RAPID RATE. THE REGION S12E60 IS CAPABLE OF PRODUCING CLASS M FLARES IF THE FILAMENT CONTINUES ITS ACTIVITY. THE GEOMAGNETIC FIELD WILL REMAIN QUIET DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 APRIL/0400Z ENDING 1 MAY/0400Z.

CLASS M OR GREATER 30/30/30

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX 27/1700Z AND 2000Z WERE 136 AND 139 RESPECTIVELY.

SOLTERWARN

SPAN

BT

NNNN1701

NNNN

KMSC

HAUS BOU 281700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 610B ISSUED 1700Z 28 APRIL 1970

ONLY CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY CONTINUES TO REMAIN AT A LOW LEVEL. THE NEW REGION NEAR S14W04, WHICH EMERGED YESTERDAY, HAS SHOWN ADDITIONAL GROWTH IN SPOT AREA AND IS COVERED WITH BRIGHT PLAGE IN A S CONFIGURATION. SOME GROWTH HAS OCCURRED IN THE REGIONS NEAR S07E40 AND S10E48. NO ACTIVITY HAS BEEN OBSERVED FROM THE RETURNING REGIONS JUST PAST THE SE LIMB.

THE GEOMAGNETIC FIELD IS QUIET.

B. SUBFLARE ACTIVITY IS EXPECTED FROM MAINLY THE REGIONS NEAR S14W04 AND S10E48. PIONEER SATELLITE NO. 8 INDICATES A SLIGHTLY DISTURBED SOLAR WIND WHICH MIGHT EFFECT THE EARTH'S MAGNETIC FIELD IN 48 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 APRIL/1700Z ENDING 01 MAY/1700Z.

CLASS M OR GREATER 30/40/40

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 144. PREDICTED 150/153/155.

E. MAGNETIC A-FREDERICKSBURG FOR 27 APRIL WAS 07. FOR 28 APRIL ABOUT 08. PREDICTED AP FOR 29 APRIL-01 MAY 08/10/13.

SOLTERWARN

SPAN

BT