

NNNN

KBOU

HAUS BOU 150400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 074A ISSUED 0400Z 15 MARCH 1971

INFREQUENT NON-ENERGETIC FLARES EXPECTED NEXT 13 HOURS.

A. NO ENERGETIC DISK ACTIVITY HAS BEEN RECORDED IN THE PAST 24 HOURS AND ONLY MINOR CHROMOSPHERIC BRIGHTENINGS HAVE BEEN REPORTED - PRINCIPALLY AT N08E34 AND S15W16. SIGNIFICANT GEOMAGNETIC SUBSTORMS HAVE CONTINUED IN THE AURORAL ZONES WITH INDICATIONS OF RELATIVISTIC ELECTRON PRECIPITATION BEGINNING ABOUT 14/2130Z. THE DISTURBANCE HAS BEEN SUFFICIENT TO GENERATE MID-LATITUDE DISTURBANCES WITH K VALUES OF THE ORDER OF 4 TO 5.

B. FILAMENT ACTIVITY IN THE N08E34 REGION MAY BE THE ALERT FOR ACTIVITY THERE BUT THE REGION APPEARS TO HAVE AT MOST POTENTIAL FOR ONLY MARGINAL CLASS M EVENTS. THE S05W16 REGION IS CURRENTLY SIMPLE AND UNINTERESTING BUT DIFFERENTIAL ROTATION EFFECTS ON THE MAGNETIC STRUCTURE MAY GENERATE A POTENTIAL FOR NEAR-ENERGETIC EVENTS. THE REST OF THE DISK IS UNINTERESTING. SLOW DECAY IS EXPECTED IN THE GEOMAGNETIC AURORAL DISTURBANCES OVER THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 MAR/0400Z ENDING 18 MAR/0400Z

CLASS M OR GREATER 25/25/25

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 14/2000Z WERE 113 AND 111 RESPECTIVELY.

SOLTERWARN

SPAN

RT

NNNN

KBOU

HAUS BOU 151700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 074B ISSUED 1700Z 15 MAR 1971

SCATTERED CLASS C FLARES SHOULD MARK A REALISTIC UPPER BOUND
ON ACTIVITY DURING THE NEXT 11 HOURS.

A. ONE SIGNIFICANT EVENT HAS OCCURRED SINCE THE LAST MESSAGE,
NAMELY A CLASS C6 /IMPORTANCE 1N OR 1B/ FLARE OF START TIME
AND POSITION 0740Z AND N12E34. A SIMPLE RF BURST ACCOMPANIED
THE ERUPTION, BUT THE RISES ABOVE BACKGROUND WERE INCONSEQUENTIAL.
OPTICALLY ALL SEVEN REGIONS ARE DECLINING, HOWEVER, SOME MINOR
GROWTH IS EVIDENT IN H-ALPHA WITHIN THE N07E30 FEATURE. IT ALONE
REMAINS THE MOST COMPLEX GROUP CURRENTLY VISIBLE. GEOMAGNETIC
FLUCTUATIONS BEGAN TO SUBSIDE AT BOTH HIGH AND MID-LATITUDES
ABOUT 6 HOURS AGO.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 15 MAR/1700Z ENDING 18 MAR/1700Z.

CLASS M OR GREATER 25/25/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 15/1400Z WAS 114. PREDICTED 10.7 CM
FLUX FOR 16-18 MAR IS 111/116/117.

E. MAGNETIC A-FREDERICKSBURG FOR 14 MAR WAS 20. FOR 15 MAR
ABOUT 16. PREDICTED AP FOR 16-18 MAR, 12/07/03.

SOLTERWARN

SPAN

BT