

NNNN0400

NNNN

KMSC

HAUS BOU 300405Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 612A ISSUED 0400Z 30 APR 1970

M FLARES ARE CONSIDERED LIKELY DURING THE NEXT 13 HOURS.

A. THE MOST ACTIVE REGION IS THE BETA SUB P GROUP NEAR S10E29. A SMALL M FLARE (OPTICALLY SN) LAST OCCURRED THERE ABOUT 29/2120Z. MORE OF A REORGANIZATION OF EXISTING SPOTS HAS BEEN OBSERVED WITHIN ITS BOUNDARIES DURING THE THE PAST 24 HOURS THAN AN OUTRIGHT GROWTH OR DECAY. OTHER GROUPS SHOWING SIGNIFICANT DEVELOPMENT ARE THOSE NEAR S14W23 AND N19E03, HOWEVER THEIR RESPECTIVE AREAS ARE STILL CONSIDERABLY LESS THAN 100 MILLIONTHS. A J-TYPE SPOT IS CURRENTLY VISIBLE ON THE EL ABOUT N13. THIS REGION'S APPEARANCE FOLLOWS CLOSELY IN TIME THE MODERATE-SIZED CLASS H FEATURE AT S11. A LONG, CONTINUOUS AND EVIDENTLY WELL DEFINED FILAMENT BORDERS THE NE LIMB FOR APPROXIMATELY 20 DEGREES BEGINNING NEAR N08 AND ENVELOPING THE TWO GROUPS NEAR S11E79 AND S14E56. FROM THE SIZE AND FREQUENCY OF SURGE ACTIVITY REPORTED YESTERDAY, NO GROUP EITHER JUST INSIDE OR BEHIND THE EL REPRESENTS AS YET A TRUE ACTIVE CENTER.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 30 APR/0400Z ENDING 03 MAY/0400Z.

CLASS M OR GREATER 60/70/70

CLASS X 15/15/15

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUXES FOR 29/1700 AND 2000Z WERE 154 AND 153 RESPECTIVELY.

SOLTERWARN

SPAN

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 612B ISSUED 1700Z 30 APRIL 1970
CLASS C FLARES AND INFREQUENT CLASS M FLARES EXPECTED IN THE NEXT
11 HOURS.

A. ONLY NONENERGETIC EVENTS HAVE OCCURRED IN THE PAST 13 HOURS.
THE N19W04 REGION APPEARS TO BE THE MOST DYNAMIC DISK FEATURE. ITS
SPOT AREA HAS GROWN FROM 50 TO 160 MILLIONTHS. THE S11E23 REGION
HAS SHOWN DECAY AND THE REMAINING REGIONS ARE STABLE. THE GEO-
MAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. THE N19W04 REGION SHOULD BE WATCHED FOR INCREASED ACTIVITY.
PRESENTLY THE LARGE SPOTS JUST PAST THE EAST LIMB LOOK INCAPABLE
OF PRODUCING MAJOR ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 30 APRIL/1700Z ENDING 02 MAY/1700Z.

CLASS M OR GREATER 50/50/50

CLASS X 10/10/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 149. PREDICTED 153/155/158.

E. MAGNETIC A-FREDERICKSBURG FOR 29 APRIL WAS 05. FOR 30 APRIL
ABOUT 18. PREDICTED AP FOR 01-03 MAY 10/08/12.

SOLTERWARN

SPAN

BT