

NNNN0400

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KMSC

HAUS BOU 250400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 548A ISSUED 0400Z 25 FEB 1970

M FLARES ARE LIKELY DURING THE NEXT 13-HOUR PERIOD.

A. THE OVERALL LEVEL OF SOLAR ACTIVITY IS GRADUALLY DIMINISHING.  
THERE ARE, HOWEVER, MANY SPOT GROUPS COVERING THE DISK. MOST  
ACTIVE OF THE LOT DURING THE PAST 24 HOURS HAS BEEN THE SMALL  
BETA-GAMMA GROUP NEAR N18E25. RECORDS SHOW THAT THE LAST M EVENT  
OBSERVED - AN 0854Z FLARE YESTERDAY - OCCURRED THERE.

B. AS A RESULT OF THE UNUSUALLY QUIET GEOMAGNETIC CONDITIONS  
PREVAILING FROM 19 THROUGH 23 FEB, THE MAGNETOMETER FLUCTUATIONS  
EVIDENT YESTERDAY HAVE BEEN SOMEWHAT MORE CLOSELY FOLLOWED. NO  
STORM THOUGH IS EXPECTED. M EVENTS AT THE RATE OF ABOUT ONE/DAY  
SHOULD ACCURATELY CHARACTERIZE THE NEXT 3 DAYS. THE N18E25 GROUP  
IS A PRIME CANDIDATE FOR SUCH ERUPTIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR  
PERIODS BEGINNING 25 FEB/0400Z ENDING 28 FEB/0400Z

CLASS M OR GREATER 80/80/60

CLASS X 10/15/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 24/1700Z AND 2000Z WERE 191 AND 190  
RESPECTIVELY

SOLTERWARN

SPAN

BT

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SOLTERWARN

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HAUS BOU 251700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 548B ISSUED 1700Z 25 FEB 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. HIGHLIGHTS FOR THE PERIOD 18-25 FEBRUARY 1970--

ALTHOUGH NOT THE LARGEST GROUP VISIBLE THESE PAST EIGHT DAYS,  
MCMATH REGION 584 WAS THE MOST ACTIVE SINGLE REGION, WITH A  
TOTAL OF FOUR M EVENTS AND AN X FOR THE PERIOD; THE LATTER  
FLARE OCCURRED AT 20/0944Z /OPTICALLY A 1B/. THOSE REMAINING  
ENERGETIC FLARES RECORDED DURING THIS PERIOD ORIGINATED WITHIN  
FIVE WIDELY SEPARATED REGIONS. NO ONE OF THE EVENTS MENTIONED  
PRODUCED MEASUREABLE GEOPHYSICAL EFFECTS. /IT IS BELIEVED,  
HOWEVER, THAT THE SMALL SC RECORDED 23/2013Z MARKED THE LEADING  
EDGE OF A DISTURBED SOLAR WIND SECTOR - ONE NOT QUITE COPLANAR  
WITH THE ECLIPTIC - IN ASSOCIATION WITH 584./ AN AVERAGE OF  
TWELVE REGIONS WERE VISIBLE EACH DAY, AND PERHAPS THE NUMBER  
ALONE AT LEAST PARTIALLY ACCOUNTED FOR THE GREATER THAN TWO  
HUNDRED 10.7 CM FLUX VALUES RECORDED ON 18 AND 19 FEBRUARY.

SINCE EARLY ON THE 21ST ONE GROUP IN THE NE QUADRANT HAS APPEARED  
TO DEVELOP. ITS GROWTH IS IN SHARP CONTRAST TO THE DEVELOPMENT  
EXHIBITED BY THE MAJORITY OF REGIONS THIS PAST WEEK. DESIGNATED  
AS MCMATH REGION 595, THE GROUP'S CLASS/AREA IS CURRENTLY E/340;  
MAGNETICALLY IT IS CLASSIFIED AS A BETA-GAMMA WITH TWO DELTAS; AND  
THE REGION HAS BEEN THE SOURCE OF FOUR M FLARES TO DATE. A FAST  
DEVELOPING REGION AT S07W17 /L270/ IS MAGNETICALLY A BETA-GAMMA  
WITH A DELTA CONFIGURATION AND CONTAINS ARCH FILAMENT SYSTEMS.

B. FORECAST FOR THE PERIOD 26 FEBRUARY-04 MARCH 1970--

THE S07W17 /L270/ REGION IS EXPECTED TO DOMINATE THE DISK BEFORE  
WEST LIMB PASSAGE ON 3 MARCH WITH A LOW LEVEL OF ACTIVITY  
THEREAFTER.

23-DAY FORECAST FOR THE PERIOD 26 FEBRUARY-26 MARCH 1970--

THE TOTAL NUMBER OF ENERGETIC CLASS M AND X FLARES IS EXPECTED TO  
DECLINE DURING THIS PERIOD.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 25/1700Z ENDING 28/1700Z.

CLASS M OR GREATER 60/70/70

CLASS X 05/05/10

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 181. PREDICTED 180/176/172.

E. MAGNETIC A-FREDERICKSBURG FOR 24 FEB WAS 10. FOR 25 FEB ABOUT  
05. PREDICTED AP FOR 26-28 FEB 05/03/03.

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