

NNNNUU  
PP KGFF  
DE BOU 031700Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 311A ISSUED 1700Z 03 JULY 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 6 HOURS  
A. HIGHLIGHTS FOR THE PERIOD 27 JUNE - 2 JULY 1969  
THROUGHOUT THE LATTER HALF OF THE WEEK, ACTIVE CENTERS  
ROTATED ACROSS EAST LIMB ONTO THE VISIBLE DISK. MOST OF  
THESE WERE IN THE NORTH, AND REPRESENTED THE RETURN OF A  
BAND OF CARRINGTON LONGITUDES THAT HAVE BEEN RESPONSIBLE  
FOR A SUBSTANTIAL FRACTION OF THE MAJOR FLARE ACTIVITY  
DURING THE LAST FIVE MONTHS. PIONEER VI DATA INDICATED  
TWO MINOR PROTON EVENTS WHILE THESE REGIONS WERE ON THE  
INVISIBLE DISK. CURRENTLY, MOST OF THE REGIONS ARE VISIBLE,  
WITH THE LAST REGION AT N20L065 POSSIBLY REPRESENTED BY  
A MOUND ON THE LIMB CURRENTLY. NONE OF THESE REGIONS HAVE  
PRODUCED A CLASS M FLARE SINCE LIMB TRANSIT. ON THE 30TH,  
TWO REGIONS AT S13L102 AND S15L094 CROSSED EAST LIMB. THE  
LATTER IS AN OLD REGION, THE FORMER IS NEW, AND THE INTER-  
ACTIVE REGION BETWEEN THEM IS THE SITE OF A FILAMENT AND  
BRIGHT PLAGE PRESUMABLY ASSOCIATED WITH A NEUTRAL LINE.  
IT IS THIS INTERACTIVE REGION WHICH WAS THE SITE OF THE  
ONLY CLASS M EVENT /OPTICALLY 1B/ OBSERVED DURING THE WEEK,  
BEGINNING 01/1615Z. THE MAGNETIC FIELD WAS QUIET UNTIL  
YESTERDAY, WHEN A MINOR DISTURBANCE /NOT STORM/ BEGAN.

B. FORECAST FOR THE PERIOD 03-11 JULY 1969  
SOLAR FLARE ACTIVITY IS EXPECTED TO BE MODERATELY ENHANCED  
THROUGHOUT THE PERIOD. CLASS M FLARES MAY BE EXPECTED FROM  
S13L102, N09L103 AND PERHAPS N20L065 REGIONS.

29-DAY FORECAST FOR 03 JULY - 02 AUGUST 1969  
FLARE ACTIVITY IS EXPECTED TO BE MODERATELY ENHANCED THROUGH  
13 JULY FROM THE REGIONS MENTIONED ABOVE. THE RETURN OF A  
REGION AT S21L271 WHICH WAS BORN CLOSE TO WEST LIMB ON 30  
JUNE IS EXPECTED ON 14 JULY, AND ENHANCED ACTIVITY FROM THIS  
REGION IS POSSIBLE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE  
24 HOUR PERIODS BEGINNING 03/1700Z ENDING 06/1700Z.

CLASS M OR GREATER 50/40/40

CLASS X 20/15/15

PROTON EVENTS 20/15/15

D. OTTAWA 10.7 CM FLUX AT 1400Z IS 164. PREDICTED 175/178/178.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 0. KP FORECAST FOR NEXT  
24 HOURS PER KP 15.3; 1/1/1/1/1/1/1.

SOLTERWARN

BT

NNNUU  
PP KGFF  
DE BOU 032300Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 311B ISSUED 2300Z 03 JULY 1969  
CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.  
A. A CLASS M FLARE OCCURRED AT 03/1515Z AT S10W32 OPTICALLY  
1 BRIGHT. THIS FLARE WAS ACCOMPANIED BY A COMPLEX RADIO  
BURST AND A MODERATE S10. THIS REGION HAS BEEN INACTIVE SINCE  
THE 1 B FLARE. THE REGION AT S13W40 HAS BEEN THE MOST ACTIVE  
AND IS CAPABLE OF PRODUCING CLASS M FLARES. ALL OTHER REGION ON  
THE DISK ARE QUIET AND MAJOR FLARES ARE NOT EXPECTED FROM THESE  
REGIONS. THE GEOMAGNETIC FIELD IS STABLE AND QUIET.  
B, AND C REMAIN UNCHANGED.  
D. OTTAWA 10.7 CM FLUX 1700Z TODAY IS 167. PREDICTED 170/170/165.  
E. MAGNETIC A-FREDERICKSBURG FOR 02 JULY WAS 08. FOR 03 JULY ABOUT  
04 PREDICTED AP FOR 4-6 JULY, UNDER 10  
SOLTERWARN  
BT

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