

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 123 A

JOINT AESJ./SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600 Z 03 MAY 1973

I.A. SOLAR ACTIVITY REMAINS MODERATE. REGION 092 (S13 E61)  
CONTINUES TO BE THE MOST ACTIVE REGION ON THE DISK. IT HAS A  
DOUBLE DELTA CONFIGURATION AND IS GROWING. IN THE PAST 24 HOURS. A SUB-BRIGHT  
FLARE AT 0147Z PRODUCED A CLASS M-3 X-RAY EVENT AND A RADIO  
BURST OF 525 FU. ON 2695 MHZ. REGION 089 (S12 W62)  
HAS SHOWN REDEVELOPMENT AND HAS PRODUCED FOUR SUBFLARES  
DURING THE PAST 24 HOURS. REGION 085 (S07 W62) HAS BEEN  
QUIET.

II. I.B. REGION 092 IS CAPABLE OF PRODUCING VERY  
ENERGETIC ACTIVITY. A GENERALLY MODERATE LEVEL OF SOLAR  
ACTIVITY IS PROBABLE.

III. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS  
EXPECTED TO BE UNSETTLED TO QUIET DURING THE  
FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE  
CLASS M                       
CLASS X                       
PROTON                       
PCAF                     

IV. OTTAWA 10.7 CM FLUX NO CHANGE  
OBSERVED                       
PREDICTED                       
90-DAY MEAN                     

V. GEOMAGNETIC A INDICES NO CHANGE  
OBSERVED FREDERICKSBURG                       
ESTIMATED                       
PREDICTED

HFUS 1 BOU 031300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 123B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 03 MAY 1973

IA. AN IMPORTANCE TWO BRILLIANT FLARE IN REGION 092 (S14E51) AT  
0830Z TODAY PRODUCED A CLASS X-9 X-RAY EVENT AND A RADIO BURST OF  
1,284 FLUX UNITS AT 2695 MHZ. TOTAL SHORT WAVE FADES WERE OBSERVED  
FROM 10 TO 30 MHZ. THIS REGION REMAINS MAGNETICALLY COMPLEX WITH A  
DELTA CONFIGURATION. OTHER REGIONS ARE STABLE. LOW ENERGY (5-21MEV)  
SATELLITE LEVEL PROTON FLUX IS SLIGHTLY ENHANCED. THIS ENHANCE-  
MENT COULD LAST FOR SEVERAL DAYS DUE TO RECENT ACTIVITY IN REGION 092.

IB. ADDITIONAL ENERGETIC FLARES ARE EXPECTED FROM REGION 092.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. QUIET TO MILDLY UN-  
SETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 03-05 MAY

CLASS M 80/80/80

CLASS X 20/20/20

PROTON 05/08/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 117

PREDICTED 03-05 MAY 118/122/124

90-DAY MEAN 02 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 14

ESTIMATED 02 MAY 10

PREDICTED 03-05 MAY 10/08/06

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 123

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 03 MAY 1973.

IA. SOLAR ACTIVITY HAS BEEN HIGH DURING THE PAST 24 HOURS, WITH  
REGION 092 (S11E48) PRODUCING AN X-RAY CLASS X AND THREE CLASS M  
FLARES. SHORT WAVE FADES AND RADIO BURSTS ACCOMPANIED ALL FOUR  
OF THESE FLARES. THERE HAVE BEEN NUMEROUS DEKAMETRIC TYPE III  
EVENTS TODAY. NEW REGION 093 (S09E65) HAS ROTATED ONTO THE DISK  
AS AN A-TYPE GROUP. NEW REGION 094 (S03E37) EMERGED AS AN  
A-TYPE. NEW REGION 095 (S15E80) HAS PRODUCED ONE SUB-  
FLARE DURING EAST LIMB TRANSIT. RGNS 085 (S05W72) AND 089 (S12W71)  
HAVE BEEN STABLE.

IB. ACTIVITY IS EXPECTED TO BE MODERATE TO HIGH. ONLY MINOR  
ACTIVITY HAS BEEN REPORTED IN RGN 092 SINCE THE 2B, X-RAY CLASS  
X-9 FLARE AT 0830Z, BUT THE REGION RETAINS A COMPLEX DELTA  
CONFIGURATION AND HAS POTENTIAL FOR FURTHER ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO  
REMAIN QUIET TO MILDLY UNSETTLED THROUGHOUT THE FORECAST PERIOD  
IN ACCORDANCE WITH RECURRENT QUIET CONDITIONS. A BRIEF HIGH ENERGY  
PROTON ENHANCEMENT AT SATELLITE LEVELS IS POSSIBLE, BUT RADIO  
BURST PROFILES AND SOLAR LOCATION OF THE 2B FLARE AT 0830 TODAY  
DO NOT INDICATE A STRONG LIKELIHOOD OF SIGNIFICANT POLAR CAP  
ABSORPTION.

III. EVENT PROBABILITIES 04 MAY - 06 MAY.

CLASS M	80/80/80
CLASS X	20/20/20
PROTON	08/10/10
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED	03 MAY 115
PREDICTED	04 MAY - 06 MAY 119/122/122
90-DAY MEAN	03 MAY 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG	02 MAY 13
ESTIMATED	03 MAY 09
PREDICTED	04 MAY - 06 MAY 08/06/06

SOLTERWARN

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HFUS 1 BOU 030600

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IB. REGION 092 IS CAPABLE OF PRODUCING VERY ENERGETIC ACTIVITY. A GENERALLY MODERATE LEVEL OF SOLAR ACTIVITY IS PROBABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO BE UNSETTLED TO QUIET DURING THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 031300

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