

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 123 A

JOINT AESU/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 (S17 W62) HAS SHOWN REDEVELOPMENT AND HAS PRODUCED FOUR SURFLARES 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 UNSETLED AND IS EXPECTED TO BE UNSETLED 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 ENHANCEMENT 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 UNSETTLED 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 ACCCOMPANIED 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. RGN 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 UNSETLED AND IS EXPECTED TO REMAIN QUIET TO MILDLY UNSETLED 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

SPAN

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KBOU

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

SOLTERWARN

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HFUS 1 BOU 031300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 123B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

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OBSERVED 02 MAY 117

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OBSERVED FREDERICKSBURG 01 MAY 14

ESTIMATED 02 MAY 10

PREDICTED 03-05 MAY 10/08/06

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