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SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

NUMBER 158A

NT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ED 07 0600 Z JUNE 1974

A. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE  
1530Z. NO SIGNIFICANT ACTIVITY HAS BEEN REPORTED  
AND THERE HAVE BEEN NO SIGNIFICANT CHANGES IN ANY OF  
THE REGIONS

B. NO CHANGE.

NO CHANGE.

EVENT PROBABILITIES NO CHANGE -  
CLASS M /  
CLASS X /  
PROTON /  
PCAF /

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

GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG NO CHANGE  
ESTIMATED  $A_{FR}/A_p$  /  
PREDICTED  $A_{FR}/A_p$  / - / - /

A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that  $A_p$  appears higher than  $A_{FREDERICKSBURG}$ . Therefore, both indices will be included in future forecasts. Only extrapolated  $A_p$  values will be given since the computation and publication of the actual observed  $A_p$  values require approximately three months.

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KBOU

HFUS 1 BOU 071400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 158B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1400Z 07 JUNE 1974

IA. SOLAR FLARE ACTIVITY WAS LOW DURING THE PAST 12 HOURS. ACTIVE  
REGION 416(S14W18) PRODUCED A C3 SUBFLARE WITH MAXIMUM AT 0929 U.T.  
THIS REGION, ALONG WITH NEIGHBORING REGION 423(S15W12) HAVE BEEN  
DYNAMIC, WITH ARCH FILAMENTS, AND AN ACTIVE FILAMENT REPORTED.  
ELSEWHERE, FLARING HAS BEGUN IN 420(N05E22). THE NORTHEAST LIMB  
IS ACTIVE, AND X-RAY FLUXES ARE ENHANCED THERE. NO RETURNING REGIONS  
ARE EXPECTED, SO THIS IS NEW DEVELOPMENT.

IB. FLARE ACTIVITY IS EXPECTED TO BE MODERATE DURING THE FORECAST  
PERIOD. CLASS M ACTIVITY IS POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, AND UNSETTLED CONDITIONS  
ARE EXPECTED IN ABOUT 24 HOURS. ARRIVAL OF A SHOCK WAVE TOWARD THE  
END OF THE FORECAST PERIOD IS EXPECTED. PROTON FLUXES AT SATELLITE  
HEIGHT ARE AT BACKGROUND.

III. EVENT PROBABILITIES 07 - 09 JUNE

CLASS M 30/30/20

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JUNE 93

PREDICTED 07 - 09 JUNE 90/87/82

90-DAY MEAN 06 JUNE 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 JUNE 07

ESTIMATED AFR/AP 06 JUNE 07/09

PREDICTED AFR/AP 07 - 09 JUNE 10/11 - 10/13 - 05/07

SOLTERWARN

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HFUS BOU 072200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 158  
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 07 JUNE 1974  
IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH TWO OPTICAL FLARES  
REPORTED DURING THE PAST 24 HOURS. ONE FLARE OCCURRED IN REGION  
420 (N05E15) AND ONE IN REGION 416 (S14W25). THESE TWO REGIONS AND  
REGION 423 (S15W17) HAD ARCH FILAMENTS EARLIER BUT HAVE SINCE  
DECAYED. REGION 426 (N04E86) HAS PRODUCED NUMEROUS MINOR SURGES.  
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. HOWEVER, A FILAMENT  
CENTERED NEAR S12W60 IS EXPECTED TO DISRUPT DURING THE NEXT 24 HOURS.  
A CLASS M EVENT IS EXPECTED WITH THIS FILAMENT ACTIVITY.  
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, BECOMING SLIGHTLY  
UNSETTLED SINCE 1800Z. THE FIELD IS EXPECTED TO BE UNSETTLED,  
QUIET, AND UNSETTLED FOR THE NEXT 3-DAY PERIOD.  
III. EVENT PROBABILITIES 08 - 10 JUNE  
CLASS M 30/20/15  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 07 JUNE 90  
PREDICTED 08 - 10 JUNE 86/81/76  
90-DAY MEAN 07 JUNE 87  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 06 JUNE 07  
ESTIMATED AFR/AP 07 JUNE 03/04  
PREDICTED AFR/AP 08 - 10 JUNE 10/13 - 05/06 - 11/13  
SOLTERWARN  
SPAN  
BT

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