

HFUS 1 BOU 080500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 220A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 08 AUGUST 1975

IA. SOLAR ACTIVITY HAS BEEN LOW. ACTIVE COMPLEX 617-618-620  
(N07W40) CONTINUES TO PRODUCE FREQUENT SUBFLARES. X-RAY BACKGROUND  
REMAINS NEAR C-LEVEL. A CONTINUUM RADIO NOISE STORM CONTINUES  
FROM REGION 619 (N07E16). A NEW REGION HAS EMERGED NEAR 619  
AT N12E12. GROWTH IS OCCURRING AGAIN AMONG FOLLOWER SPOTS IN  
619.

IB. FREQUENT CLASS C EVENTS AND AT LEAST ONE CLASS M EVENT  
ARE EXPECTED FROM COMPLEX 617-618-620. ACTIVITY IN 619 MAY  
INCREASE IF MINOR GROWTH CONTINUES NEARBY. RETURNING REGION  
609 MAY ENHANCE ACTIVITY BY AUGUST 09.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED TO ACTIVE.  
THIS CONDITION SHOULD PREVAIL THROUGH THIS FORECAST PERIOD WITH  
SOME PERIODS OF QUIET NEAR LOCAL NOON.

III. EVENT PROBABILITIES 08 AUG-10 AUG  
CLASS M 75/55/35  
CLASS X 10/05/05  
PROTON 05/07/05  
PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 07 AUG 120  
PREDICTED 08 AUG-10 AUG 120/118/118  
90-DAY MEAN 07 AUG 75

V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 06 AUG 07  
ESTIMATED AFR/AP 07 AUG 06/08  
PREDICTED AFR/AP 08-10 AUG 15/18 - 12/14 - 10/12  
SOLTERWARN

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HFUS 1 BOU 081430  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 220B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 08 AUG 1975

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 14 HOURS. MINOR FLARE  
OCCURRENCE HAS BEEN MINIMAL AND X-RAY LEVELS HAVE NOT GONE ABOVE  
C4 LEVELS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH CLASS-  
C FLARES PROBABLE AND AN CLASS M POSSIBLE.

II. GEOMAGNETIC LEVELS HAVE BEEN UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 08 AUG-10 AUG

CLASS M 75/55/35

CLASS X 10/05/05

PROTON 05/07/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 AUG 120

PREDICTED 08 AUG-10 AUG 120/118/118

90-DAY MEAN 07 AUG 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 AUG 07

ESTIMATED AFR/AP 07 AUG 04/08

PREDICTED AFR/AP 08-10 AUG 15/35 - 12/14 - 10/12

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GEOALERT WWA 220 080300  
91207 11630 21200 30060 40990  
43807 22030 11807 01000  
80608 77773 43807 ERUPTIVE 11807 ERUPTIVE  
SOLALERT 08/10

MAGNIL

FIN

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HFUS 1 BOU 082200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 220

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 08 AUG 1975

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 618 (N06W49) HAS PRODUCED A FEW CLASS C SUBFLARES. GROWTH AT A SLOW RATE HAS CONTINUED IN THE REGION AND IT REMAINS MODERATELY COMPLEX IN STRUCTURE. REGION 619 (N09E07) HAS BEEN INACTIVE AS A FLARE SOURCE BUT HAS GROWN SIGNIFICANTLY WITH A NEW FLUX REGION EMERGING WITHIN THE INFLUENCE OF THE AREA AND INCREASING ITS COMPLEXITY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW TO MODERATE WITH CLASS C SUBFLARES PROBABLE AND A GOOD CHANCE OF AT LEAST MODERATELY ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS RANGED FROM QUIET TO ACTIVE. A SIMILAR RANGE IS EXPECTED THROUGH THE FORECAST PERIOD WITH GENERALLY QUIET LEVELS DURING LOCAL DAYLIGHT HOURS AND ACTIVE CONDITIONS DURING LOCAL NIGHTTIME PERIODS.

DESPITE ITS LACK OF MAJOR ACTIVITY, REGION 618 IS NOW FAVORABLY LOCATED SUCH THAT IF MAJOR FLARES OCCUR THERE, THEY WILL PROBABLY PRODUCE A PROTON EVENT (GREATER THAN 10 MEV) SUFFICIENT TO PRODUCE POLAR CAP ABSORPTION.

III. EVENT PROBABILITIES	09 AUG-11 AUG
CLASS M	70/60/60
CLASS X	10/05/05
PROTON	10/10/10
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX	
OBSERVED	08 AUG 120
PREDICTED	09-11 AUG 119/118/118
90-DAY MEAN	08 AUG 76

V. GEOMAGNETIC A INDICES	
OBSERVED FREDERICKSBURG	07 AUG 04
ESTIMATED AFR/AP	08 AUG 16/26
PREDICTED AFR/AP	09-11 AUG 13/14 - 13/17 - 13/18

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