

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

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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
SOLTERWARN	

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