

HFUS 1 BOU 090500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 221A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 09 AUGUST 1975
IA. SOLAR ACTIVITY HAS BEEN LOW. A BRIGHT SUBFLARE (CLASS C7)
OCCURRED AT 0216 IN REGION 619 (N09E04) WHERE IMPORTANT SPOT
GROWTH HAS OCCURRED AMONG THE FOLLOWER SPOTS. REGION 621 (N12W02)
NORTH OF THE 619 LEADER SPOT IS ALSO BECOMING MORE ACTIVE.
REGION 618 (N06W52) HAS DEVELOPED AN ACTIVE DARK FILAMENT ALONG
THE HIGH-GRADIENT PORTION OF ITS NEUTRAL LINE.
IB. CONTINUED CLASS C EVENTS ARE EXPECTED. POTENTIAL STILL
EXISTS FOR CLASS M EVENTS IN REGION 618. ITS DISK LOCATION
IS NOW FAVORABLE FOR TRANSMITTING A SMALL PROTON EVENT TO EARTH
SHOULD A MAJOR EVENT OCCUR.
II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED CONDITIONS
ARE EXPECTED THROUGH THIS FORECAST PERIOD.
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
BT

HFUS 1 BOU 091430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 221B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 09 AUGUST 1975

IA. SOLAR ACTIVITY HAS REMAINED LOW.

IB. CONTINUED CLASS C EVENTS ARE EXPECTED. POTENTIAL STILL EXISTS FOR CLASS M EVENTS IN REGION 618. ITS DISK LOCATION IS NOW FAVORABLE FOR TRANSMITTING A SMALL PROTON EVENT TO EARTH SHOULD A MAJOR EVENT OCCUR.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED CONDITIONS ARE EXPECTED THROUGH THIS FORECAST PERIOD.

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 10/17 - 13/17 - 13/18
SOLTERWARN	
BT	

GEOALERT WWA 220 090300
91208 11801 21200 30160 40990
45006 04000 10609 00000 44310 00000
40012 00000
80609 77773 45006 ERUPTIVE 10609 ERUPTIVE
44310 QUIET 40012 QUIET
SOLALERT 09/11
MAGQUIET
FIN
SOLTERWARN

HFUS 1 BOU 092200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 221
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 AUG 1975

IA. SOLAR ACTIVITY HAS BEEN LOW. OCCASIONAL CLASS C FLARES HAVE BEEN OBSERVED IN REGIONS 618 (N06W62) AND 619 (N09W05). BOTH OF THESE CENTERS HAVE ALTERED LITTLE. THE MOST IMPORTANT CHANGES IN APPEARANCE HAVE BEEN AN INCREASE IN THE NUMBER OF ASSOCIATED SMALL FILAMENTS IN EACH REGION AND SPOT SIMPLIFICATION AND AREAL DECREASE, ESPECIALLY IN REGION 618. OLD REGIONS 609/610/612 HAVE RETURNED OVER THE SOUTHEAST LIMB AS WEAK PLAGES VISIBLE PRIMARILY IN THE CALCIUM LINE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH CLASS C FLARES PROBABLE AND ONE OR TWO CLASS M FLARES POSSIBLE. AS THE CURRENT REGIONS DIFFUSE AND SIMPLIFY, PROBABILITIES FOR ENERGETIC FLARES WILL DECREASE BUT MANY REGIONS SIMILAR TO THESE TWO HAVE BEEN OBSERVED TO PRODUCE AN ISOLATED MAJOR FLARE AT ABOUT THE TIME THE LAST SPOTS DISAPPEAR. THIS PHENOMENON HAS BEEN KNOWN TO ACT IN CONCERT WITH THE WELL KNOWN WEST LIMB EFFECT TO PRODUCE UNEXPECTED FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. IT IS EXPECTED TO CONTINUE IN THE SAME PATTERN THROUGH THE FORECAST PERIOD. THE POSITION OF REGION 618 IS SUCH THAT A FLARE OF MODERATE CLASS M INTENSITY AND A THERMAL PHASE GREATER THAN 15 OR 20 MINUTE DURATION WOULD BE EXPECTED TO PRODUCE A DETECTABLE POLAR CAP ABSORPTION EVENT.

III. EVENT PROBABILITIES 10 - 12 AUG
CLASS M 65/55/50
CLASS X 05/05/05
PROTON 10/10/10
PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX
OBSERVED 09 AUG 113
PREDICTED 10 - 12 AUG 95/90/88
90-DAY MEAN 09 AUG 76

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 08 AUG 15
ESTIMATED AFR/AP 09 AUG 11/17
PREDICTED AFR/AP 10 - 12 AUG 15/17 - 15/17 - 16/20
SOLTERWARN
BT