

HFUS 1 BOU 040450
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 216A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 04 AUGUST 1975
IA. SOLAR ACTIVITY HAS BEEN MODERATE.
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH FREQUENT
CLASS C AND OCCASIONAL CLASS M FLARES.
II. THE GEOMAGNETIC FIELD IS STILL QUIET AND IS EXPECTED TO REMAIN
QUIET UNTIL SOMETIME TODAY (04 AUGUST) WHEN RECURRENT ACTIVITY IS
EXPECTED TO COMMENCE.
III. EVENT PROBABILITIES 04 AUGUST - 06 AUGUST
CLASS M 75/80/80
CLASS X 15/20/20
PROTON 03/03/04
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 03 AUG 97
PREDICTED 04 AUG - 06 AUG 98/98/99
90-DAY MEAN 03 AUG 73
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 02 AUG 08
ESTIMATED AFR/AP 03 AUG 04/05
PREDICTED AFR/AP 04 AUG - 06 AUG 15/32 - 25/31 - 23/28
SOLTERWARN
BT

HFUS 1 BOU 041430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 216B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 04 AUG 75

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW DURING THE PAST 16 HOURS. BOTH THE REGION 617/618 COMPLEX (N04E10) AND REGION 619 (N06E62) CONTINUE TO FLARE OCCASIONALLY. HOWEVER, THE FLARE FREQUENCY AND THE X-RAY BURST LEVELS IN BOTH ACTIVE CENTERS ARE LOWER TODAY. THIS MAY MEAN THE REGIONS ARE STABILIZING. RECENT REPORTS INDICATE THE DELTA CONFIGURATION IN REGION 618 IS WEAKENING.

IB. SOLAR ACTIVITY CAN BE EXPECTED TO BE LOW TO MODERATE. BOTH ACTIVE CENTERS SHOULD CONTINUE TO PRODUCE OCCASIONAL C-CLASS FLARES. AN ISOLATED M-CLASS FLARE MAY OCCUR, BUT THE POSSIBILITY OF X-CLASS X-RAY EVENTS IS NOW DIMINISHED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 16 HOURS. THE FIELD IS EXPECTED TO BECOME ACTIVE SOMETIME TODAY AS RECURRENT INTERPLANETARY STRUCTURE RETURNS. ACTIVITY LEVELS SHOULD THEN DECREASE SLOWLY THROUGH THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 AUG-06 AUG 1975

CLASS M	75/70/65
CLASS X	15/10/05
PROTON	03/03/04
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	03 AUG 97
PREDICTED	04-06 AUG 97/97/96
90-DAY MEAN	03 AUG 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	02 AUG 08
ESTIMATED AFR/AP	03 AUG 04/05
PREDICTED AFR/AP	04-06 AUG 10/11 - 25/31 - 23/28

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GEOALERT WWA216 040300

91203 10710 20960 30040 41000

11505 04110 16806 06020

80604 77773 11505 ERUPTIVE 16806 ERUPTIVE

SOLALERT 04/06 MAGALERT 04/06

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SOLTERWARN

HFUS 1 BOU 042220

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 216

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 04 AUGUST 1975

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO LOW DURING THE PAST 24 HOURS WITH NINE C-CLASS SUBFLARES NOTED IN GOES SATELLITE DATA. NONE OF THESE WAS GREATER THAN C4 X-RAY LEVEL. THEY WERE ABOUT EQUIALLY DISTRIBUTED BETWEEN THE REGION 617/618 COMPLEX (N05E03) AND REGION 619 (N08E58). ALTHOUGH BOTH ACTIVE CENTERS HAVE BEEN FAIRLY QUIET, THEY ARE BOTH PROVEN PRODUCERS OF ENERGETIC X-RAY FLARES AND BOTH AREAS CONTAIN MAGNETIC DELTA CONFIGURATIONS. THE 617/618 COMPLEX HAS BEEN FURTHER COMPLICATED BY THE EMERGENCE OF REGION 620 (N09E11) THROUGH THE TRAILER POLARITY PLAGE OF THE COMPLEX. THIS TENDS TO JAM THE EXISTING REGIONS 617 AND 618 TOGETHER AND STEEPEN MAGNETIC GRADIENTS. REGION 619 HAS MOVED FAR ENOUGH ONTO THE DISK NOW TO BE ANALYZED. IT IS A LARGE AND COMPLEX F-TYPE REGION WITH POSSIBLE DELTAS IN BOTH LEADER AND TRAILER PORTIONS.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. BOTH ACTIVE CENTERS CAN BE EXPECTED TO PRODUCE FREQUENT C-CLASS X-RAY FLARES. BOTH AREAS ARE LIKELY TO PRODUCE AT LEAST ONE M-CLASS FLARE DURING THE FORECAST PERIOD. IF ENERGETIC POTENTIALS ARE NOT REDUCED BY FREQUENT FLARES DURING THE NEXT DAY OR TWO, AN X-CLASS EVENT BECOMES MORE LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. RETURNING RECURRENT MAGNETIC STRUCTURE IS NOW OVERDUE. THE FIELD IS EXPECTED TO BECOME ACTIVE EARLY IN THE FORECAST PERIOD AND ACTIVITY SHOULD THEN DIMINISH SLOWLY THROUGH THE REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 05 AUGUST - 07 AUGUST

CLASS M 70/65/60

CLASS X 10/15/10

PROTON 03/05/07

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 AUG 102

PREDICTED 05 AUG - 07 AUG 103/104/103

90-DAY MEAN 04 AUG 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 AUG 04

ESTIMATED AFR/AP 04 AUG 07/06

PREDICTED AFR/AP 05 AUG - 07 AUG 25/31 - 23/28 - 17/25

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