

HFUS 1 BOU 100500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 222A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 10 AUGUST 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. SUBFLARES WITH C3 XRAY
BURSTS OCCURRED AT 09/2241Z AND 10/0229Z FROM REGIONS 619 (N09W08).
AND 618 RESPECTIVELY. REGION 619 CONTINUES TO DOMINATE THE SOLAR
DISK WITH A TYPE-E SPOT GROUP. GROWTH APPEARS TO HAVE
NOW CEASED. DECAY CONTINUES IN REGION 618/620 (N08W62) WHERE
AN EAST-WEST NEUTRAL LINE AND LARGE SUNSPOT PROPER MOTIONS INDICATE
SOME POTENTIAL FOR A SIGNIFICANT EVENT PRIOR TO WEST LIMB PASSAGE.

IB. OCCASIONAL CLASS C FLARES ARE EXPECTED. POTENTIAL FOR CLASS
M FLARES IS PRESENT BUT DECREASING.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED FOR THE PAST 12
HOURS. THIS CONDITION IS EXPECTED TO DOMINATE THIS FORECAST
PERIOD.

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

HFUS 1 BOU 101430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 222B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1430Z 10 JULY 1975 *P-46*

IA. SOLAR ACTIVITY REMAINS LOW TO VERY LOW. NUMEROUS SUBFLARES WITH ASSOCIATED "C" TYPE X-RAY BURSTS HAVE BEEN REPORTED. THE LARGEST X-RAY BURST WAS A C-6 NEAR 100921 U.T. AND AGAIN AT 101345 U.T. THE 0921 X-RAY BURST WAS PRODUCED BY REGION 618 (N06W70). SINCE THAT TIME, 618 HAS BEEN RELATIVELY QUIET AND CONTINUES TO DECAY. REGION 619 (N09W13) PRODUCED THE 1340 U.T. X-RAY BURST AND IS STILL QUITE ENHANCED ALONG ITS CENTRAL PORTIONS. THE NEUTRAL LINE IN 619 REMAINS COMPLEX AND POINT BRIGHTENINGS TO NEAR FLARE INTENSITY ARE FREQUENTLY NOTED ALONG ITS BASE. THE START OF DECAY MAY BE OCCURRING IN REGION 619. THE REST OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO MAINTAIN ITS PRESENT LEVEL OF FREQUENT "C" CLASS FLARES.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING THE PAST 8 HOURS BUT IS NOW QUIET. CONTINUED ACTIVE CONDITIONS ARE EXPECTED IN NIGHTTIME SECTORS.

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 110/107/102

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

GEOALERT WWA 222 100300

91209 11680 21130 30160 41000

46306 05000 40609 06000 45710 01000

41312 01000

80610 77773 46306 QUIET 40609 QUIET

45710 QUIET 41312 QUIET

SOLALERT 10/12

MAGQUIET

FIN

SOLTERWARN

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 222

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 AUGUST 1975

IA. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL DURING THE PAST 24 HOURS. REGION 618 (N05W75) HAS BEEN THE MOST PROLIFIC FLARE PRODUCER AND ALTHOUGH LIMB PROXIMITY PRECLUDES AN ACCURATE ANALYSIS, ITS COMPLEXITY IS THOUGHT TO BE SUFFICIENT FOR CONTINUED FLARE PRODUCTION. REGION 619 (N07W21) HAS EXHIBITED ALL THE DYNAMIC CHARACTERISTICS INHERENT TO THE PRODUCTION OF ENERGETIC ACTIVITY. SOME SMALL SIGNS OF DECAY ARE APPARENT BUT THE NEUTRAL LINE REMAINS COMPLEX AND THE CENTRAL PLAGE AREA IS OCCASIONALLY NEAR FLARE BRIGHTNESS. THE REMAINDER OF THE DISK IS QUIET AND NO SIGNIFICANT LIMB ACTIVITY, IN ASSOCIATION WITH LIMB PASSAGE OF 618, HAS BEEN REPORTED.

IB. SOLAR ACTIVITY WILL BE AT A LOW TO MODERATE LEVEL DURING THIS FORECAST PERIOD. LIMB TRANSIT OF 618 SHOULD DIMINISH THE FREQUENCY OF OCCURRENCE BUT NOT THE ENERGETIC CONTENT.

II. THE GEOMAGNETIC FIELD IS UNSETTLED. PERIODS OF ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED IN NIGHTTIME SECTORS FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 11 AUGUST - 13 AUGUST

CLASS M 65/55/50

CLASS X 05/05/05

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 AUG 113

PREDICTED 11 AUG - 13 AUG 103/98/90

90-DAY MEAN 10 AUG 77

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 AUG 16

ESTIMATED AFR/AP 10 AUG 23/35

PREDICTED AFR/AP 11 AUG - 13 AUG 18/20 - 18/10 - 14/17

SOLTERWARN

BT