

HFUS 1 BOU 220550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 082A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT HOURS. REGION 688 (N05W36) HAS GROWN A LITTLE IN THE WESTERN END OF THE REGION. THE REGION AS A WHOLE IS DECLINING. REGION 689 (S08W27) HAS REMAINED STABLE. A FEW CLASS C FLARES HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY WILL BE MODERATE DURING THE NEXT 24 HOURS. CLASS C AND AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED FROM REGION 688.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO CONTINUE QUIET DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 MARCH - 24 MARCH

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MARCH 92

PREDICTED 22-24 MARCH 95/95/92

90-DAY MEAN 21 MARCH 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 MARCH 08

ESTIMATED AFR/AP 21 MARCH 05/05

PREDICTED AFR/AP 22-24 MARCH 04/05 - 06/06 - 15/15

SOLTERWARN

BT

HFUS 1 BOU 221500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 082B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 22 MAR 76

IA. SOLAR ACTIVITY DROPPED TO A LOW LEVEL AFTER 0000Z.
ONLY 4 CLASS C EVENTS HAVE OCCURRED TODAY. ALL PRESUMABLY FROM
REGION 688(N05W42).
THE E-TYPE SUNSPOT GROUP HAS CEASED GROWING AND NOW EXHIBITS A
SYMMETRIC STABLE LEADER. THE DELTA CONFIGURATION CONTINUES EAST OF
THE LEADER BUT IN A SMALLER POORLY-FORMED PENUMBRA.
REGION 689(S08W38) IS NOW SPOTLESS.

IB. OCCASIONAL CLASS C FLARES WILL CONTINUE. CLASS M FLARES ARE
LESS LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND SHOULD CONTINUE
QUIET FOR 48 HOURS.

III. EVENT PROBABILITIES 22-24 MARCH
CLASS M 50/40/30
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 21 MARCH 92
PREDICTED 22-24 MARCH 88/86/84
90-DAY MEAN 21 MARCH 73

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 21 MARCH 04
PREDICTED AFR/AP, 22-24 MARCH 04/05 - 06/06 - 15/15
SOLTERWARN
BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 082

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z MAR 22 1976

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGION 688 (N04W49) HAS DECAYED AND FLARES HAVE DIMINISHED IN SIZE AND NUMBER. ONLY FIVE CLASS C EVENTS HAVE OCCURRED IN THIS PERIOD. THE E-TYPE SUNSPOT GROUP HAS DEVELOPED IMPORTANT NEW SPOTS WITH COMPLEX MAGNETIC CONFIGURATION IN THE CENTER OF THE REGION WHILE THE TRAILING SPOTS HAVE DECAYED AND THE LEADER HAS BECOME SYMMETRIC AND STABLE. NO OTHER SPOT REGIONS ARE NOW VISIBLE.

IB. THE GROWTH WITHIN REGION 688 IS EXPECTED TO KEEP CLASS C FLARE-OCCURRENCE AT ABOUT 6 PER DAY. CLASS M FLARES AND PROTON EMISSION ARE EXPECTED IF THE RATE OF GROWTH SHOULD INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. QUIET CONDITIONS ARE EXPECTED THROUGH TOMORROW. AN IMPORTANT SECTOR BOUNDARY IS DUE TO PASS THE EARTH SOMETIME ON THE SECOND DAY. MINOR STORM CONDITIONS ARE EXPECTED THEREAFTER. THE PRESENCE OF REGION 688 NEAR THE SOLAR SOURCE OF THE SECTOR BOUNDARY MAY AFFECT BOTH THE TIME OF COMMENCEMENT AND THE STRENGTH OF THIS RECURRENT STORM IN UNPREDICTABLE MANNER.

III. EVENT PROBABILITIES 23-25 MARCH

CLASS M 50/50/50

CLASS X 02/02/02

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MARCH 84

PREDICTED 23-25 MARCH 85/82/80

90-DAY MEAN 22 MARCH 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MARCH 04

ESTIMATED AFR/AP 22 MARCH 03/03

PREDICTED AFR/AP 23-25 MARCH 06/10 - 15/22 - 25/30

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