

HFUS 1 BOU 250545

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 085A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 25 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS WITH
THREE X-RAY BURSTS NOTED. ONE OF THESE C-CLASS X-RAY BURSTS WAS
ASSOCIATED WITH AN OPTICAL SUBNORMAL FLARE IN REGION 688 (N04W82).

IB. REGION 688 CONTINUES TO DECAY SLOWLY BUT STILL HAS M-CLASS
X-RAY BURST POTENTIAL. NEW REGION 690 (S06E79) IS ROTATING ONTO
THE DISK AND MAY ALSO HAVE ENERGETIC FLARE POTENTIAL.

II. THE GEOMAGNETIC FIELD HAS CONTINUED QUIET DURING THE LAST 8
HOURS. PERSISTENT RECURRENT MAGNETIC ACTIVITY IS EXPECTED TO
BEGIN WITHIN HOURS, PRODUCING ACTIVITY APPROACHING MINOR MAGNETIC
STORM LEVELS DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 25 MARCH - 27 MARCH

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MARCH 83

PREDICTED 25-27 MARCH 81/79/79

90-DAY MEAN 24 MARCH 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MARCH 03

ESTIMATED AFR/AP 24 MARCH 04/04

PREDICTED AFR/AP 25-27 MARCH 17/22 - 22/30 - 22/30

SOLTERWARN

BT

HFUS 1 BOU 251500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 085-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 25 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 9 HOURS. BOTH
ACTIVE REGIONS CONTINUED TO PRODUCE FLARE ACTIVITY WITH THREE
SUBNORMAL FLARES OBSERVED, TWO FROM REGION 690. SEVERAL C CLASS
AND ONE M CLASS X-RAY EVENTS WERE RECORDED.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW TO MODERATE.
REGION 688 IS TRANSITING WEST LIMB AND SHOULD CAUSE NO FURTHER
ACTIVITY HOWEVER REGION 690 (S06E74) NOW ROTATING ONTO THE DISC
APPEARS READY TO MAINTAIN THE OVERALL ACTIVITY LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 9 HOURS.
PERSISTENT RECURRENT ACTIVITY IS EXPECTED TO SET IN TODAY PRO-
DUCING ACTIVITY APPROACHING MINOR STORM LEVELS DURING THE FORE-
CAST PERIOD.

III. EVENT PROBABILITIES 25 - 27 MAR

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAR 83

PREDICTED 25 - 27 MAR 81/79/79

90-DAY MEAN 24 MAR 73

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAR 03

ESTIMATED AFR/AP 24 MAR 04/04

PREDICTED AFR/AP 25 - 27 MAR 17/22 - 22/30 - 22/30

SOLTERWARN

BT

HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 085

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST 24 HOURS. REGION 688 HAS PASSED WEST LIMB AND REGION 690 (S07E68) HAS ROTATED ONTO THE DISC. REGION 690 PRODUCED THREE FLARES DURING LIMB TRANSIT AND APPEARS TO BE QUITE DYNAMIC. A SECOND DELTA CONFIGURATION HAS NOW APPEARED ALONG WITH NEW PLAGE DEVELOPMENT SOUTH OF THE REGION. POSSIBLE SURGES ON THE LIMB NEAR S10 INDICATE ANOTHER REGION MAY BE PRESENT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE THROUGH THE FORECAST PERIOD WITH THE CONTINUED DEVELOPMENT OF REGION 690. FREQUENT C-CLASS AND OCCASIONAL M-CLASS EVENTS ARE EXPECTED WITH A SLIGHT CHANCE OF AN X CLASS EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. RECURRENT ACTIVITY IS EXPECTED WITHIN THE NEXT 24 HOURS WITH UNSETTLED TO ACTIVE CONDITIONS THE REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 26 - 29 MAR

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAR 86

PREDICTED 26 - 29 MAR 87/87/87

90-DAY MEAN 25 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAR 03

ESTIMATED AFR/AP 25 MAR 03/03

PREDICTED AFR/AP 26 - 29 MAR 10/15 - 17/20 - 20/30

SOLTERWARN

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