

HFUS 1 BOU 260600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 086A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 26 MARCH 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 8 HOURS. AN M1 X-RAY BURST WAS NOTED AT 26/0004Z. THIS BURST OCCURRED AS SUBFAINT FLARES WERE NOTED IN BOTH REGION 688 (N04W94) AND REGION 690 (S07E63). THERE HAVE BEEN FOUR INSTANCES OF POSSIBLE SYMPATHETIC FLARES BETWEEN THESE TWO WIDELY SEPARATED REGIONS DURING THE PAST 24 HOURS.

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 AND X-CLASS EVENT.

II. THE GEOMAGNETIC FIELD WAS QUIET EARLY IN THE PERIOD. THERE WAS A RAPID ONSET OF MAGNETIC ACTIVITY AT 26/0240Z AND MID-LATITUDE K-VALUES OF 5 AND 6 ARE CURRENTLY REPORTED. THE MAGNETIC FIELD IS EXPECTED TO BE AT OR NEAR MINOR MAGNETIC STORM LEVELS THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 MARCH - 28 MARCH 1976

CLASS M	60/60/60
CLASS X	10/10/10
PROTON	10/10/10
PCAF	YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED	25 MARCH 86
PREDICTED	26 - 28 MARCH 87/87/87
90-DAY MEAN	25 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	24 MARCH 03
ESTIMATED AFR/AP	25 MARCH 04/04
PREDICTED AFR/AP	26 - 28 MARCH 27/30 - 27/30 - 27/30
SOLTERWARN	
BT	

HFUS 1 BOU 261500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 086-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 26 MAR 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS.
REGION 690 (S07E58) CONTINUES TO PRODUCE X-RAY EVENTS (ONE M1
AND SEVERAL CLASS C). IN ADDITION TO THE X-RAY EVENTS SEVERAL
SUBFAINT AND SUBBRIGHT FLARES HAVE OCCURRED. REGION 690 CON-
TINUES TO BE ACTIVE.

IB. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE LEVEL THROUGH THE
FORECAST PERIOD. REGION 690 WILL CONTINUE TO PRODUCE CLASS C AND
AN OCCASSIONAL M CLASS X-RAY EVENTS. THERE IS A SLIGHT CHANCE OF
AN X-CLASS EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 8 HOURS.
A MAGNETIC STORM BEGAN APPROXIMATELY 26/0240. THE MAGNETIC FIELD
WILL CONTINUE TO BE AT OR NEAR MAGNETIC STORM LEVELS THROUGH THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 26 - 28 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 - 28 MAR 87/87/87

90-DAY MEAN 25 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAR 03

ESTIMATED AFR/AP 25 MAR 04/04

PREDICTED AFR/AP 26 - 28 MAR 60/113 - 27/40 - 27/30

SOLTERWARN

BT

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 086

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z MAR 26 1976

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS.
REGION 690(S07E52) CONTINUES TO PRODUCE CLASS C EVENTS AND SEVERAL
SUBFAINT FLARES. REGION 692(S08W28) PRODUCED ONE SUBFAINT FLARE.
REGION 690 HAS SIGNIFICANT GROWTH ALONG THE WEST SIDE OF THE
SUNSPOT GROUP AND IT DISPLAYS CLASSIC PROTON FLARE REGION
CHARACTERISTICS.

IB. SOLAR ACTIVITY WILL CONTINUE TO BE MODERATE. REGION 690 WILL
CONTINUE TO PRODUCE CLASS C AND AN OCCASIONAL M EVENT. THERE IS A
SLIGHT CHANCE AN X EVENT AND OPTICAL FLARES ARE POSSIBLE. REGION
690 SHOULD BE WATCHED FOR VERTICLE SUNSPOT MOTION AND THE DEVELOPE-
MENT OF A DELTA CONFIGURATION.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 8 HOURS.
THE MAGNETIC FIELD IS EXPECTED TO BE AT OR NEAR MAGNETIC STORM
LEVELS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27-29 MARCH

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 MARCH 87

PREDICTED 27-29 MARCH 95/93/91

90-DAY MEAN 26 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 MARCH 05

ESTIMATED AFR/AP 26 MARCH 86/113

PREDICTED AFR/AP 27-29 MARCH 27/55 - 27/30 - 22/25

SOLTERWARN

BT