

HFUS 1 BOU 010540

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 092A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 APRIL 1976

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. REGION 690
(S08W07) CONTINUES TO PRODUCE CLASS C X-RAY EVENTS. AND GRADUAL
DECAY IS EVIDENT.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW THROUGH THE FORECAST PERIOD.
CLASS C X-RAY EVENTS AND AN OCCASSIONAL M-CLASS X-RAY EVENT ARE
EXPECTED. REGION 690 WILL SHOW SIGNS OF GRADUAL DETERIORATION
HOWEVER SIGNIFICANT DETERIORATION IS NOT EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 8 HOURS.
THE FIELD IS EXPECTED TO REMAIN UNSETTLED DUE TO RECURRENT ACTIVITY.

III. EVENT PROBABILITIES 01 APRIL - 03 APRIL

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MARCH 83

PREDICTED 01-03 APRIL 83/83/81

90-DAY MEAN 31 MARCH 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MARCH 09

ESTIMATED AFR/AP 31 MARCH 09/09

PREDICTED AFR/AP 01-03 APRIL 25/35 - 23/32 - 25/35

SOLTERWARN

BT

HFUS 1 BOU 011500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 092-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 01 APR 1976

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL ALTHOUGH SEVERAL SUBFLARES WITH ASSOCIATED SMALL, SUB C, X-RAY BURST AND RADIO BURST HAVE BEEN OBSERVED. REGION 690 (S08W18) CONTINUES TO DECLINE SLOWLY. THE H-ALPHA PLAGE IS LESS BRIGHT THAN YESTERDAY AND HAS DECREASED IN AREA IN TRAILING PORTIONS BUT INCREASED SLOWLY IN THE LEADING PORTIONS. THE SPOT GROUP IS SLIGHTLY SMALLER BUT ITS RECONFIGURATION IS THE MOST DRAMATIC CHANGE.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT ITS PRESENT LEVEL BUT THE THREAT FOR A MAJOR X-RAY BURST HAS NOT DIMINISHED.

II. THE GEOMAGNETIC FIELD EXPERIENCED MAJOR STORM CONDITIONS DURING THE PAST 12 HOURS. ACTIVE CONDITIONS, WITH MINOR STORM CONDITIONS IN NIGHTTIME SECTORS, ARE EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 01 - 03 APR

CLASS M 75/75/50

CLASS X 25/25/15

PROTON 25/25/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAR 83

PREDICTED 01 - 03 APR 83/85/81

90-DAY MEAN 31 MAR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAR 09

ESTIMATED AFR/AP 31 MAR 09/09

PREDICTED AFR/AP 01 - 03 APR 80/100 - 30/35 - 20/25

SOLTERWARN

BT

HFUS 1 BOU 012200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.
SDF NUMBER 092
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 APR 1976

IA. SOLAR ACTIVITY IS AT A VERY LOW LEVEL. REGION 690 (S08W25) APPEARS TO HAVE CEASED ITS SLOW DECLINE AND, WITH THE EXCEPTION OF AN OCCASIONAL SUBFLARE, HAS BEEN QUIET. THE MT WILSON MEASURED BETA GAMMA DELTA MAGNETIC CONFIGURATION REMAINS STRONG. THE DEVELOPMENT OF ADDITIONAL PLAGE IN THE LEADER PROTON ALSO CONTRIBUTES TO THE DIFFICULTY OF DECIDING A TREND FOR THIS REGION. THE REST OF THE DISK IS FEATURELESS.

IB. REGION 690 SHOULD CONTINUE TO PRODUCE OCCASIONAL SUB C X-RAY FLARES WITH THE POTENTIAL FOR M CLASS X-RAY FLARES SLOWLY DECREASING.

II. THE GEOMAGNETIC FIELD EXPERIENCED MAJOR STORM CONDITIONS IN NIGHTTIME SECTORS DURING THE PAST 18 HOURS. MINOR STORM CONDITIONS IN NIGHTTIME SECTORS IS EXPECTED FOR THE NEXT 48 HOURS WITH UNSETLED TO ACTIVE CONDITIONS DURING DAY LIGHT HOURS.

III. EVENT PROBABILITIES 02 - 04 APR

CLASS M 75/60/50

CLASS X 25/15/10

PROTON 25/15/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 APR 80

PREDICTED 02 - 03 APR 079/078/078

90-DAY MEAN 01 APR 74

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAR 06

ESTIMATED AFR/AP 01 APR 80/100

PREDICTED AFR/AP 02 - 04 APR 30/35 - 20/30 - 20/25

SOLTERWARN

BT