

HFUS 3 BOU 030500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 123-A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 03 MAY 1977

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST EIGHT HOURS.
REGION 814 (N33E57) HAS SHOWN SOME SPOT GROWTH AND NOW APPEARS
TO BE A D-TYPE SPOT GROUP.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL
THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD WAS GENERALLY NEAR MINOR STORM LEVELS
DURING THE PAST EIGHT HOURS. AT LEAST INTERMITTENT MINOR STORM
CONDITIONS ARE EXPECTED THROUGH 5 MAY.

III. EVENT PROBABILITIES 03-05 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 77

PREDICTED 03-05 MAY 78/79/80

90-DAY MEAN 02 MAY 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 12

ESTIMATED AFR/AP 02 MAY 42/51

PREDICTED AFR/AP 03-05 MAY 28/30 - 25/25 - 20/20

SOLTERWARN

BT

HFUS 3 BOU 031500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 123B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 03 MAY 1977

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 814 (N33E62) HAS SHOWN IMPRESSIVE GROWTH DURING THE PAST FEW HOURS AND IS A "D" TYPE SPOT GROUP WHICH PRODUCED A CLASS C-3 X-RAY EVENT AT 03/0526Z.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW. REGION 814 MAY PRODUCE HIGHER LEVELS IF GROWTH CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS SINCE OUR 0500Z REPORT. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO CONTINUE AT PRESENT LEVELS THRU THE REMAINDER OF THE DAY.

III. EVENT PROBABILITIES 03-05 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAY 77

PREDICTED 03-05 MAY 80/82/84

90-DAY MEAN 02 MAY 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 MAY 12

ESTIMATED AFR/AP 02 MAY 42/51

PREDICTED AFR/AP 03-05 MAY 28/30 - 25/25 - 20/20

SOLTERWARN

BT

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 123

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 MAY 1977

IA. SOLAR ACTIVITY IS LOW. REGION 814 (N31E59) HAS DISPLAYED RAPID GROWTH AND INCREASING COMPLEXITY. 814 IS RESPONSIBLE FOR SEVERAL CLASS "C" AND ONE CLASS "M1" X-RAY EVENTS. THE LATER MAXED AT 1813Z AND WAS ASSOCIATED WITH A 1B OPTICAL FLARE. A 1N FLARE/C-4 X-RAY OCCURRED AT 1450Z ALSO FROM 814. REGION 815 (S26W19) DEVELOPED DURING THE DAY BUT IS INACTIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO SHOW AN INCREASE DURING THE FORECAST PERIOD. THE DEVELOPMENT OF 814 AND OLD ACTIVE REGIONS DUE TO RETURN DURING THE LAST TWO DAYS OF THE PERIOD SUPPORT THIS.

II. THE GEOMAGNETIC FIELD QUIETED AFTER 1200Z TODAY. THE FIELD IS EXPECTED TO RETURN TO GENERALLY ACTIVE CONDITIONS THRU THE FORECAST PERIOD WITH ENHANCEMENTS TO MINOR STORM LEVELS DURING THE FIRST 48 HOURS.

III. EVENT PROBABILITIES 04 - 06 MAY

CLASS M 25/40/50

CLASS X 01/01/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAY 81

PREDICTED 04 - 06 MAY 84/87/90

90-DAY MEAN 03 MAY 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 MAY 44

ESTIMATED AFR/AP 03 MAY 20/21

PREDICTED AFR/AP 04 - 06 MAY 25/30 - 20/20 - 12/15

SOLTERWARN

BT