

HFUS 3 BOU 220430

FR OM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 142A

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 22 MAY 1978

IA. SOLAR ACTIVITY REMAINS LOW. NO SIGNIFICANT CHANGES HAVE BEEN
NOTED IN DISK OR LIMBS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. ACTIVE CONDITIONS
ARE EXPECTED THROUGH THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 MAY - 24 MAY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAY 130

PREDICTED 22-24 MAY 133/136/139

90-DAY MEAN 21 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 MAY 07

ESTIMATED AFR/AP 21 MAY 12/19

PREDICTED AFR/AP 22-24 MAY 24/30 - 18/20 - 12/15

SOLTERWARN

BT

HFUS 3 BOU 221500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 142B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 22 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT WAS A SN/C6
FROM REGION 1114 (S27W45) AT 22/0209Z (MAX). REGION 1129 (N18E 65)
HAS AN EXTENSIVE SUNSPOT STRUCTURE. AT THE MOMENT IT IS NOT KNOWN
WHETHER THIS IS ONE OR TWO GROUPS. THE OTHER DISK REGIONS ARE
SIMPLE WITH SCATTERED PLAGE STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW BUT MAY INCREASE IN INTENSITY
OVER THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THIS ZULU DAY. UNSETTLED
TO ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 24 - 36 HOURS.

III. EVENT PROBABILITIES 22 MAY - 24 MAY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 MAY 130

PREDICTED 22-24 MAY 133/136/139

90-DAY MEAN 21 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 MAY 07

ESTIMATED AFR/AP 21 MAY 12/19

PREDICTED AFR/AP 22-24 MAY 24/30 - 18/20 - 12/15

SOLTERWARN

BT

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 142

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 MAY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. SEVERAL LOW TO MID-LEVEL CLASS
C X-RAY EVENTS OCCURRED WITH FLARES IN REGIONS 1129 (N18E62) AND
1114 (S27W51) RESPECTIVELY. REGION 1114 IS A BETA GAMMA AND REGION
1129 IS A DELTA WITH WEAK GRADIENT. REGION 1130 (N18E72, OLD
REGION 1092) AND REGION 1131 (N26E86) IN CONJUNCTION WITH REGION
1029 FORMS A LARGE PLAGE COMPLEX IN THE NE QUADRANT.

IB. BESIDES THE NE COMPLEX, OLD REGION 1095 IS DUE BACK IN THIS
COMPLEX ON 23 MAY. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. ACTIVE CONDITIONS ARE
EXPECTED FOR THE NEXT 24-36 HOURS AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES 23 MAY - 25 MAY

CLASS M 30/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN.

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAY 135

PREDICTED 23-25 MAY 138/141/144

90-DAY MEAN 22 MAY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MAY 24

ESTIMATED AFR/AP 22 MAY 22/25

PREDICTED AFR/AP 23-25 MAY 17/20 - 12/15 - 12/15

SOLTERWARN

BT