

HFUS 3 BOU 040500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 277A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 04 OCTOBER 1977

IA. REGION 898 (N15W33) HAS PRODUCED TWO SUBFLARES DURING THE
PAST EIGHT HOURS AT 03/2323Z AND 03/2356Z. THE FIRST FLARE PRODUCED
A C-3 X-RAY BURST AT 2325Z. AN IMPORTANCE 3 SPRAY WAS OBSERVED AT
03/2213Z ON THE NORTHEAST LIMB AT APPROXIMATELY N10. THE LOCATION
SUGGESTS THAT IT ORIGINATED FROM OLD REGION 889 WHICH IS STILL ONE
DAY BEYOND THE LIMB. THE REST OF THE DISK HAS BEEN QUIET.

IB. SOLAR ACTIVITY WILL BE AT A LOW LEVEL DURING THE NEXT 24 HOURS.
ACTIVITY SHOULD INCREASE WHEN OLD REGION 889 ROTATES ON THE VISIBLE
DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED DURING THE PAST
EIGHT HOURS AND IT IS EXPECTED THE FIELD WILL REMAIN UNSETTLED
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 OCTOBER-06 OCTOBER

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCTOBER 097

PREDICTED 04-06 OCTOBER 099/102/105

90-DAY MEAN 03 OCTOBER 088

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCTOBER 06

ESTIMATED AFR/AP 03 OCTOBER 10/10

PREDICTED AFR/AP 04-06 OCTOBER 10/10 - 14/15 - 15/15

SOLTERWARN

BT

HFUS 3 BOU 041500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 04 OCT 1977

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 899 (N31W32) HAS SOME EN-
HANCED PLAGE AND REGION 904 (N20E04) HAS A POINT BRIGHTENING REGION
903 (S21E13) HAS GROWN AND HAS 12 SPOTS. THE REST OF THE DISK LIMB
HAS BEEN STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED DURING THE PAST
8 HOURS, AND SHOULD REMAIN UNSETTLED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 04 - 06 OCT

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCT 097

PREDICTED 04 - 06 OCT 099/102/105

90-DAY MEAN 03 OCT 088

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 OCT 06

ESTIMATED AFR/AP 03 OCT 10/10

PREDICTED AFR/AP 04 - 06 OCT 10/10 - 14/15 - 15/15

SOLTERWARN

BT

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 277

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVIT
ISSUED 2200Z 4 OCTOBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW. THERE WERE TWO C-CLASS FLARES AT
1834Z AND 1947Z, THE LAST FLARE BEING AT NE12 WHERE WE EXPECT THE
RETURN OF REGION 889 AND 890 TOMORROW. REGION 899 (N31W38) HAS
GROWN, AND REGION 903 (S22W02) IS A C-TYPE GROUP WITH 12 SPOTS.
REGION 898 (N14W44) APPEARS TO BE DECAYING SLIGHTLY. THE REST OF
THE DISK/LIMB HAS BEEN STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TOMORROW, WITH GREATER
ACTIVITY EXPECTED ONCE REGION 889 COMES ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED, AND IS
EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 05-07 OCT

CLASS M 10/30/40

CLASS X 05/10/10

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 99

PREDICTED 05-07 OCT 100/107/110

90-DAY MEAN 04 OCT 89

V. GEOAMGNETIC A INDICES

OBSERVED FREDERICKDBURG 03 OCT 10

ESTIMATED AFR/AP 04 OCT 10/08

PREDICTED AFR/AP 05-07 OCT 14/12 - 15/14 - 15/15

SOLTERWARN

BT