



HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 231

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 AUG 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THE ONLY ACTIVITY NOTED
HAS BEEN PLAGE FLUCTUATIONS IN REGIONS 864 (N08W52) AND 867 (N27W25).

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW. NO REGIONS DISPLAY
ANY SIGNIFICANT GROWTH PARAMETERS.

II. THE GEOMAGNETIC FIELD WAS ACTIVE EARLY IN THE DAY AND MINOR
STORM CONDITIONS WERE OBSERVED AROUND 0300Z. THE FIELD HAS SINCE
BEEN ACTIVE TO UNSETTLED. THE GEOMAGNETIC FIELD IS EXPECTED TO
BECOME ACTIVE AGAIN TONIGHT THEN BECOME GENERALLY UNSETTLED FOR THE
REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 20-22 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUG 85

PREDICTED 20-22 AUG 85/85/85

90-DAY MEAN 19 AUG 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 AUG 13

ESTIMATED AFR/AP 19 AUG 18/20

PREDICTED AFR/AP 20-22 AUG 13/15 - 08/10 - 08/10

SOLTERWARN

BT

HFUS 3 BOU 190500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 231A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 19 AUG 77.

IA. SOLAR ACTIVITY WAS VERY LOW DURING THE PAST SEVEN HOURS.

REGION 864 (N19W43) IS NOW A SMALL D-TYPE SPOT GROUP WITH
AN AFS. THE OTHER THREE DISK SPOT GROUPS HAVE BEEN STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A GENERALLY VERY
LOW LEVEL.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED TO MINOR STORM LEVELS
NEAR 19/0130Z. THE FIELD IS EXPECTED TO BE GENERALLY ACTIVE DURING
THE REST OF THE ZULU DAY WITH OCCASIONAL PERIODS OF MINOR STORM
CONDITIONS.

III. EVENT PROBABILITIES 19 AUGUST-21 AUGUST

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUGUST 86

PREDICTED 19-21 AUGUST 86/86/86

90-DAY MEAN 18 AUGUST 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 AUGUST 21

ESTIMATED AFR/AP 18 AUGUST 11/19

PREDICTED AFR/AP 19-21 AUGUST 12/18 - 08/15 - 06/10

SOLTERWARN

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HFUS 3 BOU 191500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 231-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 19 AUG 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. SOME GROWTH HAS BEEN
NOTED IN REGIONS 864 (N20W49) AND 867 (N27W23). AT 1300Z X-RAY
BACKGROUND INCREASED TO NEAR "C" LEVEL AND REMAINS ELEVATED AT THIS
TIME. SOURCE IS UNKNOWN.

IB. SOLAR ACTIVITY WILL BE VERY LOW TO LOW. POOR WEATHER AT THE
OBSERVING SITES HAS HINDERED A GOOD ANALYSIS OF THE DISK.

II. THE GEOMAGNETIC FIELD WAS DISTURBED THRU THE NIGHT WITH MINOR
STORM CONDITIONS OBSERVED NEAR 0300Z. THE FIELD SHOULD BE UNSETTLED
TO ACTIVE THRU THE DAY. THE REMAINDER OF THE PERIOD SHOULD BE ACTIVE
DURING THE NIGHT AND UNSETTLED DURING THE DAY.

III. EVENT PROBABILITIES 19 - 21 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 AUG 86

PREDICTED 19 - 21 AUG 86/86/86

90-DAY MEAN 18 AUG 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 AUG 21

ESTIMATED AFR/AP 18 AUG 11/19

PREDICTED AFR/AP 19 - 21 AUG 18/18 - 12/15 - 08/10

SOLTERWARN

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