

HFUS 3 BOU 210500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 264A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 21 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
NO MAJOR FLARES HAVE BEEN OBSERVED. REGION 889 (N05W77) APPEARS
TO BE UNDERGOING SOME CHANGE AND REMAINS QUITE BRIGHT. THE REST OF THE
DISK APPEARS STABLE AND QUIET.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGION 889 IS
CAPABLE OF ENERGETIC FLARES. REGION 892 (S23E25) THOUGH QUIET
AT PRESENT IS ALSO CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD IS STILL ACTIVE WITH MINOR STORM
CONDITIONS PREVAILING. THIS ACTIVITY IS EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 21 SEPTEMBER - 23 SEPTEMBER

CLASS M 90/90/30

CLASS X 50/50/15

PROTON 70/70/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 SEPTEMBER 108

PREDICTED 21-23 SEPTEMBER 110/112/110

90-DAY MEAN 20 SEPTEMBER 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 SEPTEMBER 28

ESTIMATED AFR/AP 20 SEPTEMBER 42/45

PREDICTED AFR/AP 21-23 SEPTEMBER 33/40 - 20/25 - 30/40

SOLTERWARN

BT

HFUS 3 BOU 211500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 264-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 21 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 8 HOURS. NO MAJOR FLARES HAVE BEEN OBSERVED. REGION 889 (N08W82) HAS BEEN RELATIVELY QUIET AS IT APPROACHES WEST LIMB. THE REMAINDER OF THE DISK AND LIMBS APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE WITH REGION 889 STILL CAPABLE OF ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH MINOR STORM CONDITIONS PREVAILING. THESE CONDITIONS ARE EXPECTED TO CONTINUE.

III. EVENT PROBABILITIES 21 - 23 SEP

CLASS M 90/90/30

CLASS X 50/50/15

PROTON 70/70/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 SEP 108

PREDICTED 21 - 23 SEP 110/112/110

90-DAY MEAN 20 SEP 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 SEP 28

ESTIMATED AFR/AP 20 SEP 42/45

PREDICTED AFR/AP 21 - 23 SEP 33/40 - 20/25 - 30/40

SOLTERWARN

BT

HFUS 1 BOU 212235

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 264

C O R R E C T E D C O P Y

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS. REGION 889 (N07W90) IS NEARLY OFF THE DISK. ANALYSIS IS DIFFICULT DUE TO LIMB PROXIMITY BUT THE REGION APPEARS CAPABLE OF PRODUCING ENERGETIC EVENTS. REGION 892 (S23E12) HAS CHANGED LITTLE IN THE PAST 24 HOURS BUT STILL MAINTAINS SOME POTENTIAL FOR ENERGETIC EVENTS. NEW REGION 894 (N23W34) HAS EMERGED AS A B-TYPE GROUP AND APPEARS STABLE. THE REMAINDER OF THE DISK AND LIMBS REMAIN QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. ENERGETIC EVENTS ARE LIKELY FROM REGIONS 889 AND 892. A PROTON EVENT FROM REGION 889 IS POSSIBLE UNTIL THE REGION IS WELL BEHIND THE LIMB.

II. THE GEOMAGNETIC FIELD WAS AT OR NEAR MAJOR STORM LEVELS UNTIL ABOUT 1500Z. THE FIELD HAS BEEN ACTIVE TO UNSETTLED SINCE THAT TIME. GENERALLY ACTIVE CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD WITH OCCASIONAL PERIODS TO NEAR MINOR STORM LEVELS.

III. EVENT PROBABILITIES 22 SEPTEMBER - 24 SEPTEMBER

CLASS M 90/30/30

CLASS X 50/15/15

PROTON 70/50/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 SEPTEMBER 106

PREDICTED 22-24 SEPTEMBER 102/99/99

90-DAY MEAN 21 SEPTEMBER 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 SEPTEMBER 39

ESTIMATED AFR/AP 21 SEPTEMBER 40/55

PREDICTED AFR/AP 22-24 SEPTEMBER 50/40 - 20/25 - 20/25

SOLTERWARN

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