

HFUS 3 BOU 200500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 263A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 20 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN AT MODERATE LEVEL DURING THE PAST  
EIGHT HOURS. ONE SMALL NON-ENERGETIC FLARE WAS OBSERVED IN REGION  
892 (S25E36) AT 0024Z AND A 1-NORMAL FLARE CLASS M-2 FROM REGION  
889 (N09W63) AT 0300Z. THE PCA REPORTED AT 19/2200Z IS STILL IN  
PROGRESS BUT HAS DECREASED IN INTENSITY.

IB. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE LEVEL. REGIONS  
889 AND 892 ARE BOTH CAPABLE OF MORE ENERGETIC FLARES. CLASS M  
FLARES ARE PROBABLE.

II. THE GEOMAGNETIC STORM CONTINUES AND IS EXPECTED TO CONTINUE  
DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 20 SEPTEMBER - 22 SEPTEMBER

CLASS M 90/90/90

CLASS X 50/50/50

PROTON 70/70/70

PCA IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 SEPTEMBER 104

PREDICTED 20-22 SEPTEMBER 110/105/105

90-DAY MEAN 19 SEPTEMBER 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 SEPTEMBER 05

ESTIMATED AFR/AP 19 SEPTEMBER 25/29

PREDICTED AFR/AP 20-22 SEPTEMBER 50/55 - 35/40 - 20/25

SOLTERWARN

BT

HFUS 3 BOU 201500  
FROM SPACE ENVIRONMENT SERVICES ENTER BOULDER COLO  
SDF NUMBER 263-B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 20 SEP 1977  
IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. REGION 889  
(N09W70) SHOWS ENHANCED PLAGE. REGION 892 (S2331) HAS SHOWN SOME  
FLUCTUATIONS AND CONTINUES ITS SLOW GROWTH. THE PCA REPORTED AT  
19/2200Z IS STILL IN PROGRESS, BUT HAS DECREASED IN INTENSITY.  
IB. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE LEVEL.  
II. THE GEOMAGNETIC STORM CONTINUES AND IS EXPECTED TO CONTINUE  
THROUGHOUT THE DAY.  
III. EVENT PROBABILITIES 20 - 22 SEP  
CLASS M 90/90/90  
CLASS X 50/50/50  
PROTON 70/70/70  
PCA IN PROGRESS  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 19 SEP 104  
PREDICTED 20 - 22 SEP 110/105/105  
90-DAY MEAN 19 SEP 89  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 18 SEP 05  
ESTIMATED AFR/AP 19 SEP 25/29  
PREDICTED AFR/AP 20 - 22 SEP 50/55 - 35/40 - 20/25  
SOLTERWARN  
BT

HFUS 1 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 263

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200 20 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. REGION  
889 (N09W73) PRODUCED A 1 NORMAL FLARE (M-2 X-RAY EVENT) AT 0300Z.  
REGION 892 (S2328) PRODUCED A C-1 X-RAY EVENT, FLARE WAS SUBFAINT.  
THIS REGION HAS SHOWN SOME SLOW GROWTH, AND IS A D-TYPE SPOT GROUP.  
REGION 893 (N03W13) IS A NEW REGION WITH AN A-TYPE SPOT.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE FOR THE NEXT 24  
HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO MINOR STORM LEVELS  
TODAY. ACTIVE TO MINOR STORM LEVELS ARE EXPECTED TOMORROW.

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 10.7CM 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 42/55

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

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