

HFUS 3 BOU 100500  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO  
SDF NUMBER 253A  
JOINT AFGWC/SESC/SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 10 SEPTEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE THE 2B/X2 FLARE OF 09/16 02Z  
FROM REGION 889 (N07E73). THE LOOPS WHICH FORMED WITH THE FLARE WERE  
STILL VISIBLE AT 10/0100Z. THE REGION IS COMPLEX MAGNETICALLY AND  
HAS BRIGHT PLAGE WHERE THE GRADIENTS ARE STRONG. A NEW REGION IS  
EMERGING NEAR S33W63.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE TO HIGH.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE THE PAST 9  
HOURS. PROGRESSIVELY MORE DISTURBED CONDITIONS ARE EXPECTED DURING  
THE FOLLOWING 24 HOURS.

III. EVENT PROBABILITIES 10-21 SEPT

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 9 SEPT 094

PREDICTED 10-12 SEPT 100/102/104

90-DAY MEAN 09 SEPT 086

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEPT 09

ESTIMATED AFR/AP 09 SEPT 12/12

PREDICTED AFR/AP 10-12 SEPT 16/20 - 25/35 - 18/25

SOLTERWARN

HFUS 3 BOU 101500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 253-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 10 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE OUR 0500Z MESSAGE.  
REGION 889 (NOTE 69) REMAINS COMPLEX AND THREATENING. THE OTHER  
SMALLER REGIONS HAVE NOT SHOWN MUCH CHANGE. ACTIVITY HAS BEEN  
LIMITED TO SEVERAL SMALL "C" CLASS X-RAY BURST.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW TO MODERATE LEVEL  
FOR THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS UNSETLED TO ACTIVE. GENERALLY UN-  
SETLED TO ACTIVE CONDITIONS WILL CONTINUE WITH INTENSIFICATION OF  
ACTIVE CONDITIONS IN NIGHTTIME SECTORS DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 10 - 12 SEP

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF / YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEP 94

PREDICTED 10 - 12 SEP 100/102/104

90-DAY MEAN 09 SEP 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEP 09

ESTIMATED AFR/AP 09 SEP 12/12

PREDICTED AFR/AP 10 - 12 SEP 16/20 - 25/35 - 18/25

SOLTERWARN

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 253

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 10 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGARDLESS OF THIS LULL IN ACTIVITY, REGION 889 (N 09E 62) WILL CONTINUE TO POSE A THREAT. THE "E" TYPE SPOT GROUP REMAINS WELL ORGANIZED AND PORTIONS OF THE PLAGE ARE CONTINUOUSLY BRIGHT. OTHER DYNAMIC FEATURES INCLUDE AN ACTIVE NEUTRAL LINE FILAMENT AND OCCASIONAL POINT BRIGHTENINGS. THE OTHER DISK FEATURES APPEAR STABLE.

IB. SOLAR ACTIVITY WILL BE AT A LOW TO MODERATE LEVEL FOR THE NEXT THREE DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. UNSETLED TO ACTIVE CONDITIONS SHOULD CONTINUE WITH PERIODS OF MINOR STORM CONDITIONS IN NIGHTTIME SECTORS.

III. EVENT PROBABILITIES 11 - 13 SEP

CLASS M 85/85/85

CLASS X 35/35/35

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 SEP 98

PREDICTED 11 - 13 SEP 99/99/100

90-DAY MEAN 10 SEP 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 SEP 12

ESTIMATED AFR/AP 10 SEP 15/14

PREDICTED AFR/AP 11 - 13 SEP 25/25 - 18/18 - 12/12

SOLTERWARN

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