

HFUS 1 BOU 030500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 247A

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 03 SEP 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NO SIGNIFICANT CHANGE HAS
BEEN NOTED IN SOLAR FEATURES.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE THE
8 HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETLED WITH
ACTIVE PERIODS DURING LOCAL NIGHT TIME.

III. EVENT PROBABILITIES 03 SEP-05 SEP

CLASS M 10/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 SEP 74

PREDICTED 03-05 SEP 73/71/71

90-DAY MEAN 02 SEP 71

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 SEP 10

ESTIMATED AFR/AP 02 SEP 20/25

PREDICTED AFR/AP 03-05 SEP 10/12 - 12/12 - 15/15

SOLTERWARN

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HFUS 1 BOU 031430

CORRECTION

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 247-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 03 SEPTEMBER 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW TO LOW. THE OPTICAL SOURCE FOR
C3 (0627Z MAX) AND C2 (0915 MAX) X-RAY EVENT HAS NOT YET BEEN
CONFIRMED. MINOR CENTIMETRIC BURSTS ACCCOMPANIED THE X-RAY EVENTS.
REGION 734 (N18W88) HAS PRODUCED SEVERAL NEAR FLARE BRIGHTENINGS
WITH SURGES. SATELLITE SUNSPOTS HAVE DEVELOPED WEST THROUGH SOUTH
OF THE LARGE SPOT IN REGION 733 (N17E05).

IB. CLASS C X-RAY EVENTS ARE EXPECTED FROM REGION 734 AND MAY
CONTINUE WITH THE NEW DEVELOPMENT IN REGION 733.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE.
THESE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 03 - 05 SEP

CLASS M 10/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 SEP 74

PREDICTED 03 - 05 SEP 73/71/71

90-DAY MEAN 02 SEP 71

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 SEP 10

ESTIMATED AFR/AP 02 SEP 20/22

PREDICTED AFR/AP 03 - 05 SEP 10/12 - 12/12 - 15/15

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HFUS 1 BOU 032200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 247
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 SEPTEMBER 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW TO LOW. THREE SUBFLARES HAVE BEEN REPORTED FOR REGION 734 (N18W94). THE MOST SIGNIFICANT WAS A SN/C3 AT 03/0627Z (MAX). THIS FLARE ALSO PRODUCED A MINOR CENTIMETRIC BURST. REGION 733 (N16W00) HAS DEVELOPED SATELLITE SUNSPOTS TENDING TOWARD ENCIRCLEMENT OF THE LARGE EXISTING H-TYPE SPOT. BOTH THE SUNSPOTS AND PLAGE WSW OF THE LARGE SPOT HAVE BEEN IDENTIFIED AS OPPOSITE IN POLARITY TO THE H-SPOT. INTERMITTENT DEKAMETRIC/METRIC BURSTS HAVE ALSO OCCURRED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW. HOWEVER, MODERATE TO HIGH LEVEL X-RAY EVENTS COULD OCCUR VERY QUICKLY WITH CONTINUED GROWTH IN REGION 733. NO CONCLUSIVE GROWTH PATTERN IS YET APPARENT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO SLIGHTLY ACTIVE. GENERALLY UNSETLED CONDITIONS, WITH ACTIVE PERIODS DURING LOCAL NIGHT TIME, ARE EXPECTED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04-06 SEP

CLASS M	25/25/15
CLASS X	02/02/01
PROTON	01/02/02
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	03 SEP 74
PREDICTED	04-06 SEP 74/73/71
90-DAY MEAN	03 SEP 71

V. GEOMAGNETIC A.I INDICES

OBSERVED FREDERICKSBURG	02 SEP 20
ESTIMATED AFR/AP	03 SEP 11/11
PREDICTED AFR/AP	04-06 SEP 12/12 - 15/15 - 12/15
SOLTERWARN	
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HOUS 2 BOU 040200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 04/0200Z SEP 1976

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 03/1400Z. LOCATIONS VALID AT 04 SEP 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0733 N16 W01 129 0170 C 03 06 BETA

NOTE MAGNETIC CLASSIFICATIONS FROM BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 04 SEP 0000Z.

NMBR LOCATION LO COMMENT

0734 N18 W94 222 TRANSITING WEST LIMB.

II. NO IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS

III. AREAS OF SPECIAL INTEREST

REGION 733

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