

HFUS 3 BOU 080500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 251A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 08 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN HIGH SINCE OUR 2200Z MSG. A MAJOR SOLAR
FLARE OCCURRED BEHIND THE NE LIMB NEAR NE12 WITH AN X-RAY MAX OF
X-2 AT 2310Z. THE FLARE PRODUCED BURSTS OF 2000FU AT 10 CM AND
CAUSED TOTAL SWF'S UP TO 21 MHZ'S. POST FLARE LOOPS WERE OBSERVED
AT BOULDER FROM ABOUT 2345Z UNTIL SUNSET.

IB. SOLAR ACTIVITY WILL BE MODERATE TO HIGH. UNLESS SIGNIFICANT
DECAY OCCURS IN THE REGION THAT PRODUCED TONIGHT'S FLARE WE CAN
EXPECT M AND POSSIBLY X CLASS EVENTS.

II. THE GEOMAGNETIC FIELD WILL BE UNSETTLED THE FIRST DAY OF THE
PERIOD. LATE ON THE NINTH A FLARE INDUCED MAGNETIC DISTURBANCE
IS EXPECTED TO BEGIN AND LAST THRU THE TENTH WHEN MINOR STORM CONDITION
ARE FORECAST.

III. EVENT PROBABILITIES 08-10 SEP

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 05/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 SEP 88

PREDICTED 08-10 SEP 94/100/104

90-DAY MEAN 08 SEP 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 SEP 04

ESTIMATED AFR/AP 07 SEP 04/04

PREDICTED AFR/AP 08-10 SEP 10/10 - 15/18 - 30/35

SOLTERWARN

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HFUS 3 BOU 081500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 251-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 08 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE THE 07/2200Z FLARE.
LIMB ACTIVITY AT NE12 CONTINUES INDICATING CONTINUED ACTIVITY
POTENTIAL. A NEW REGION 888 HAS EMERGED AT N2720 AND IS NOW A
B TYPE GROUP WITH THREE SPOTS. THE REMAINDER OF THE DISK HAS BEEN
QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DUE TO
CONTINUED POTENTIAL T NE12.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 8 HOURS.
THE FIELD IS EXPECTED TO BE UNSETTLED UNTIL LATE ON 09 SEP WHEN
ACTIVE TO MINOR STORM CONDITIONS SHOULD COMMENCE.

III. EVENT PROBABILITIES 08 - 10 SEP

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 05/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 SEP 88

PREDICTED 08 - 10 SEP 94/100/104

90-DAY MEAN 08 SEP 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 SEPT 04

ESTIMATED AFR/AP 07 SEP 04/04

PREDICTED AFR/AP 08 - 10 SEP 10/10 - 15/18 - 30/35

SOLTERWARN

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 251

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 SEP 1977

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SINCE THE LARGE X-2 FLARE AT
07/2307Z WHICH OCCURRED BEHIND THE NE LIMB. THE REGION WHICH PRODUCED
THE FLARE IS JUST STARTING TO ROTATE ON THE LIMB AND THE SPOT APPEARS
AS A NOTCH AT N08E90. THIS VERY EARLY LOOK SHOWS AN AREA OF 400-500
MILLIONTHS. A VERY ACTIVE ASR IS REPORTED AT NE 08 TO .06R WITH
BRIGHT POINTS ON THE LIMB AND RAPID FLUCTUATIONS. THE REST OF THE
DISK AND LIMB ARE QUIET.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. THE OVERWHELMING
SIZE AND AMOUNT OF ACTIVITY ASSOCIATED WITH REGION 889 INDICATES
A HIGH POTENTIAL FOR M CLASS EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

THE FIELD IS EXPECTED TO BE UNSETTLED UNTIL LATE ON THE NINTH WHEN
MINOR STORM CONDITIONS ARE FORECAST TO BEGIN. THIS STORM IS EXPECTED
TO LAST 24-36 HOURS WITH GENERALLY ACTIVE CONDITIONS EXPECTED ON
11 SEPT.

III. EVENT PROBABILITIES 09-11 SEP

CLASS M 60/60/60

CLASS X 25/25/25

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 SEP 90

PREDICTED 09-11 SEP 94/100/104

90-DAY MEAN 08 SEP 85

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 SEP 05

ESTIMATED AFR/AP 08 SEP 07/07

PREDICTED AFR/AP 09-11 SEP 12/14 - 30/35 - 18/20

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