

NNNN

KBOU

HOUS 2 BOU 080200Z

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED

AT 080200Z SEP 1973

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN

AT 071500. LOCATIONS VALID AT 08 SEP 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0209 S14W52 192 0150 C 06 12 BETA

0210 N22W60 200 0145 C 06 06 BETA

0212 N14W23 163 0270 C 05 04 BETA-GAMMA

0215 S18W21 161 0050 C 07 10 BETA

0219 S12E05 135 0120 C 10 27 BETA

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT

08 SEP 0000Z.

NMBR LOCATION LO

0223 N17W22 162

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN IMP BEGIN MAX END CLASS

209 2B 07/1135Z 1155Z 1310Z X1-S

III. AREAS OF SPECIAL INTEREST:

REGIONS 0209 AND 0212

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 080600

SDF NUMBER 251A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL
ACTIVITY ISSUED 0600Z 08 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE THE 2B FLARE AT 07/1139Z.
REGION 209 (S13W54) HAS SHOWN SOME DEVELOPMENT DURING THE PPAST
SIX HOURS.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.
CLASS C FLARES ARE EXPECTED AND AN OCCASIONAL CLASS M FLARE IS
PROBABLE.

II. THE GEOMAGNETIC FIELD IS QUIET. IT IS EXPECTED TO BECOME
UNSETTLED DURING THE NEXT 24 HOURS. NO MAJOR ACTIVITY IS EXPECTED.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SPAN

BT

NNNN

KBOU

KBOU

HFUS 1 BOU 081300Z

SDF NUMBER 251B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL
ACTIVITY ISSUED 1300Z 08 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE THE PAST 24 HOURS.
ALL REGIONS ARE LITTLE-CHANGED OR DECAYING. SEVERAL SUBFLARES
HAVE BEEN REPORTED IN REGIONS 209 (S14W58), 210 (N22W66),
212 (N14W29) AND 219 (S12W27), BUT ENERGETIC ACTIVITY HAS
DECREASED SINCE THE 071135Z EVENT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO DECREASE OVER THE
NEXT 72 HOURS.

II. THE PROTON FLUX AT SATELLITE LEVELS IS RUNNING 1 TO 4
TIMES BACKGROUND. THE X-RAY FLUX IS ALSO ENHANCED AT PRESENT.
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED, BUT IS EXPECTED TO
BECOME ACTIVE, POSSIBLY A MINOR STORM, 9 TO 11 SEPTEMBER.

III. EVENT PROBABILITIES 08-10 SEP

CLASS M 65/60/55

CLASS X 05/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 SEP 124

PREDICTED 08-10 SEP 120/117/114

90-DAY MEAN 07 SEP 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 SEP 10

ESTIMATED 07 SEP 10

PREDICTED 08-10 SEP 10/24/20

SOLTERWARN

SPAN

BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 251

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 SEPTEMBER 1973.

IA. SOLAR ACTIVITY HAS DECLINED SIGNIFICANTLY DURING THE PAST
24 HOURS. HOWEVER, REGION 209 (S14W67) PRODUCED A LARGE SUBNORMAL
OR SMALL IMP 1 FLARE AT 080237 U.T. SINCE THEN, IT HAS BEEN QUIET.
ALL REGIONS, WITH THE EXCEPTION OF REGION 212 (N14W38), ARE
SLOWLY DECLINING. REGION 212, WHILE GROWING SLOWLY, IS SIMPLE
IN STRUCTURE AND HAS NOT PRODUCED ANY FLARES SO FAR THIS ZULU DAY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO DECREASE OVER THE
NEXT 72 HOURS.

II. PROTON ENHANCEMENTS AT SATELLITE ALTITUDES CONTINUE. THE
21-70 MEV RANGE IS AVERAGING ABOUT 7 TIMES THE BACKGROUND. THE
GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND INCREASING DISTURBED
CONDITIONS ARE EXPECTED TO APPROACH MINOR STORM CRITERIA ON 09
AND 10 SEPT.

III. EVENT PROBABILITIES 09 SEP - 11 SEP.

CLASS M 60/50/35

CLASS X 02/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 08 SEP 114

PREDICTED 09 SEP - 11 SEP 109/105/100

90-DAY MEAN 08 SEP 90

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 07 SEP 09

ESTIMATED 08 SEP 07

PREDICTED 09 SEP - 11 SEP 30/20/15

SOLTERWARN

SPAN

BT