

HFUS 1 BOU 120600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 224A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 12 AUGUST 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. REGION
466 (S09E15) HAS BEEN STABLE AFTER THE RAPID GROWTH OF THE 11TH.
THE REST OF THE REGIONS ARE STABLE AND QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH NON ENERGETIC
SUBFLARES EXPECTED AND A SMALL CLASS M FLARE PROBABLE.

II. THE GEOMAGNETIC FIELD IS IN AN UNSETTLED CONDITION AND WILL
CONTINUE IN THIS STATE DURING THE NEXT 24 HOURS.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 121400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 224B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL
ACTIVITY ISSUED 1400Z 12 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW. SLOW WHITE LIGHT GROWTH
AND AN ARCH FILAMENT SYSTEM CONTINUE IN REGION 466(S06E11).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW BUT
WITH A SLOWLY INCREASING PROBABILITY OF OCCASIONAL CLASS C OR
M ACTIVITY FROM REGION 466.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 12 HOURS.
QUIET TO MILDLY UNSETTLED PLANETARY CONDITIONS ARE EXPECTED
THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 - 14 AUG

CLASS M 20/25/30

CLASS X 01/02/03

PROTON 01/010/1

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 AUG 92

PREDICTED 12 - 14 AUG 94/95/96

90-DAY MEAN 11 AUG 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 AUG 19

ESTIMATED AFR/AP 11 AUG 11/12

PREDICTED AFR/AP 12 - 14 AUG 08/10 - 08/09 - 06/08

SOLTERWARN

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HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 224

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 AUGUST 1974

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY ONE FLARE REPORTED DURING THE LAST 24 HOURS, A C OF IN REGION 462 (S06 W19) AT 12/0122Z. THE POSITIVE CELL AROUND THE LEADER AT REGION 462 APPEARS TO BE EXPANDING TOWARD REGION 461 (S09 W31), RESULTING IN A BRIGHTER PLAGE AND DARKER NEUTRAL LINE FILAMENT IN THE LATTER REGION. REGION 466 (S06 E05) APPEARS TO HAVE SIMPLIFIED INTO A BETA MAGNETIC CONFIGURATION, BUT SLOW SPOT GROWTH AND AN ARCH FILAMENT SYSTEM CONTINUES IN THIS REGION. AN INTERACTION BETWEEN THIS REGION AND OLD REGION 465 (S05 W00) IS RESULTING IN ACTIVITY ALONG THE NEUTRAL LINE BETWEEN THESE REGIONS, AND A POSSIBLE FLARE WAS OBSERVED IN THIS AREA STARTING 12/2130Z. REGION 469 (S18 E09) HAS GROWN SINCE YESTERDAY, BUT REMAINS A SIMPLE BI-POLAR GROUP WITH A RELATIVELY DIM PLAGE. FIVE OTHER REGIONS ON THE SUN APPEAR RELATIVELY DIM AND STABLE.

IB. SOME INCREASE IN SUBFLARE ACTIVITY IS EXPECTED FROM REGIONS 461/462 OR 465/466, WITH A FAIR CHANCE OF A SMALL CLASS M EVENT DURING THE NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD HAS BECOME QUIET AND SHOULD REMAIN QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 AUG - 15 AUG

CLASS M 25/25/25

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUG 97

PREDICTED 13 AUG - 15 AUG 98/99/100

90-DAY MEAN 12 AUG 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 AUG 13

ESTIMATED AFR/AP 12 AUG 05/07

PREDICTED AFR/AP 13 AUG - 15 AUG 06/07 - 06/07 - 06/07

SOLTERWARN

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