

HFUS BOU 161430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 259B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 17 SEP 1974
IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 8
HOURS. RGN 487 (N07 W16) WAS THE MOST DYNAMIC REGION DURING THAT
TIME HAVING PRODUCED SEVERAL SUBFLARES, SOME OF WHICH WERE SMALL
"C" CLASS X-RAY EVENTS. NO SIGNIFICANT STRUCTURAL CHANGES HAVE BEEN
REPORTED. RGN 488 (S12W16) IS BASICALLY STABLE.
IB. REGIONS 488 AND 487 ARE SUFFICIENTLY COMPLEX FOR THE PRODUCTION
OF ENERGETIC ACTIVITY AND EVENTS AS HIGH AS CLASS "X" SHOULD BE
EXPECTED.
II. THE GEOMAGNETIC FIELD IS SEVERELY DISTURBED AND ONLY DAY TIME
SECTORS ARE EXPECTED TO SEE ANY DECLINE IN THE MAGNITUDE DURING
THE NEXT 24 TO 36 HOURS. SOME DECAY SHOULD BE EVIDENT BY 18 SEPT.
III. EVENT PROBABILITIES 16 - 18 SEPT
CLASS M 80/70/70
CLASS X 35/30/30
PROTON 15/15/15
PCAF YELLOW
IV. OTTAWA 10.7 CM FLUX
OBSERVED 15 SEP 102
PREDICTED 16 - 18 SEP 101/100/98
90-DAY MEAN 15 SEP 88
V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 14 SEP 09
ESTIMATED AFR/AP 15 SEP 35/45
PREDICTED AFR/AP 16 - 18 SEP 60/95 - 40/60 - 31/44
SOLTERWARN
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HFUS 1 BOU 170500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 260A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 17 SEPTEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. ONLY
A FEW NON ENERGETIC SUBFLARES HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY WILL CONTINUE AT PRESENT LEVEL BUT THE REGIONS
ON THE DISK ARE CAPABLE OF MUCH HIGHER ACTIVITY.

II. THE GEOMAGNETIC DISTURBANCE HAS DECREASED IN INTENSITY AND
AT PRESENT IS QUITE LOW BUT THE DISTURBANCE COULD INCREASE TO MINOR
STORM INTENSITY AT ANY TIME.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 171430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 260B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1430Z 17 SEP 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS WITH FOUR SMALL C-CLASS SUBFLARES REPORTED. REGION 487 (N07W27) HAS BEEN PRODUCING ALL THE RECENT SUBFLARE ACTIVITY. THIS REGION IS NOW DECLINING IN BOTH WHITE LIGHT AND H-ALPHA.

IB. SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW WITH OCCASIONAL SUBFLARES FROM REGION 487. THE REGION STILL HAS ENERGETIC POTENTIAL AND MAY PRODUCE A MODERATELY ENERGETIC FLARE DURING ITS DECLINING STAGES.

II. THE GEOMAGNETIC FIELD HAS QUIETED DRAMATICALLY AFTER YESTERDAYS MAJOR MAGSTORM. THE FIELD SHOULD BE UNSETTLED TODAY AND IS EXPECTED TO BE GENERALLY ACTIVE THROUGH THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 17-19 SEP

CLASS M 70/60/50

CLASS X 30/25/20

PROTON 15/15/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 SEP 98

PREDICTED 17-19 SEP 96/94/92

90-DAY MEAN 16 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 SEP 44

ESTIMATED AFR/AP 16 SEP 52/81

PREDICTED AFR/AP 17-19 SEP 10/14 - 18/26 - 18/26

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 260

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 SEPT 1974

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. EIGHT SMALL C-CLASS SUBFLARES HAVE BEEN REPORTED FROM REGIONS 487 (N09W35) AND 488 (S10W37). THESE REGIONS FORM A COMPLEX WHICH STRADDLES THE SOLAR EQUATOR. SYMPATHETIC FLARING AND SLOWLY RISING X-RAY EVENTS WOULD SUGGEST THAT THESE REGIONS LIE AT OPPOSITE ENDS OF AN INVISIBLE CORONAL STRUCTURE.

IB. ALTHOUGH REGION 487 IS A REVERSED POLARITY REGION CONTAINING A WEAK DELTA CONFIGURATION, IT HAS DECLINED SOMEWHAT IN WHITE LIGHT AND H-ALPHA. THE EVIDENT CONNECTION WITH REGION 488 MAKES IT MORE DIFFICULT TO ASSESS REGION 487'S ENERGETIC POTENTIAL, BUT OCCASIONAL C-CLASS SUBFLARES MAY BE EXPECTED FROM THE COMPLEX. ONE MORE MODERATE M-CLASS FLARE IS NOT UNLIKELY FROM REGION 487 AS IT DECAYS. THE REMAINDER OF THE DISK AND LIMBS SHOULD BE QUIET THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS. ALTHOUGH THE FIELD QUIETED DRAMATICALLY AFTER THE MAJOR MAGSTORM OF 15-16 SEPTEMBER, THE FIELD SHOULD BECOME MILDLY ACTIVE AND REMAIN SO THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 SEPT - 20 SEPT 1974

CLASS M 60/50/40

CLASS X 25/20/15

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 SEPT 99

PREDICTED 18-20 SEPT 97/95/93

90-DAY MEAN 17 SEPT 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 SEPT 52

ESTIMATED AFR/AP 17 SEPT 5/8

PREDICTED AFR/AP 18-20 SEPT 18/21 - 18/21 - 16/18

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