

HFUS 3 BOU 080600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 342A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 08 DECEMBER 1977

IA. SOLAR ACTIVITY HAS BEEN LOW SINCE 07/2200Z. REGION 950 (S27E39)
REMAINS THE MOST ACTIVE REGION WITH HIGHLIGHTS BEING TWO ONE
NORMAL FLARES AT 07/2150Z AND 08/0155Z. ALTHOUGH REGIONS 946 (N17
W78) AND 947 (S20W28) REMAIN DYNAMIC IN APPEARANCE, NO FLARES
HAVE BEEN REPORTED THIS PERIOD.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD SHOULD BE GENERALLY
QUIET UNTIL LATE ON THIS ZULU DAY WHEN RECURRENT DISTURBANCE CONDITIONS
ARE EXPECTED TO BEGIN.

III. EVENT PROBABILITIES 08 - 10 DEC

CLASS M 95/95/95

CLASS X 50/50/50

PROTON 40/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 DEC 109

PREDICTED 08 - 10 DEC 110/110/111

90-DAY MEAN 07 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 DEC 04

ESTIMATED AFR/AP 07 DEC 02/03

PREDICTED AFR/AP 08 - 10 DEC 08/15 - 28/25 - 30/29

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HFUS 3 BOU 081500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 342-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 08 DEC 1977

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 18 HOURS AS REGIONS 946 (N16W82), 947 (S20W33) AND 950 (S26E34) RESTRUCTURE THEIR MAGNETIC GRADIENTS. A TOTAL OF 9 LOW LEVEL CLASS C EVENTS OCCURRED DURING THIS PERIOD. THE MOST SIGNIFICANT EVENTS DURING THE PAST 24 HOURS ARE; 1N/M1 AT 07/1534Z AND 1B/M1 AT 07/1719Z, BOTH FROM REGION 950.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE; DEPENDENT ON THE DEGREE OF RESTRUCTURING THAT WILL CONTINUE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO REMAIN QUIET UNTIL THE EARTH COMES UNDER THE INFLUENCE OF THE HIGH SPEED CORONAL HOLE WIND STREAM NEAR THE END OF THIS ZULU DAY.

III. EVENT PROBABILITIES 08 - 10 DEC

CLASS M 95/95/95

CLASS X 50/50/50

PROTON 40/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 DEC 109

PREDICTED 08 - 10 DEC 110/110/111

90-DAY MEAN 07 DEC 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 DEC 04

ESTIMATED AFR/AP 07 DEC 02/03

PREDICTED AFR/AP 08 - 10 DEC 08/15 - 28/25 - 30/29

SOLTERWARN

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HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 342

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

IA. SOLAR ACTIVITY HAS DECREASED TO A LOW LEVEL AFTER THE FLURRY
OF ACTIVITY ON 07 DECEMBER. 10 LOW LEVEL CLASS C EVENTS HAVE OCCURRED
TODAY. REGION 946 (N16W88) HAS PRODUCED NEAR CONTINUOUS SURGING IN
LIMB TRANSIT. REGIONS 947 (S21W39) AND 950 (S26E31) BOTH SHOW BETA
GAMMA CONFIGURATIONS IN THE KITT PEAK MAGNETOGRAM. REGION 953
(N25E73) IS EMERGING RAPIDLY AND HAS ALREADY PRODUCED 2 SUBFLARES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. THE REGIONS
RETAIN THEIR POTENTIAL TO PRODUCE 1-3 EVENTS EQUAL OR GREATER THAN
CLASS M.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED
TO BE QUIET UNTIL THE ARRIVAL OF THE HIGH SPEED CORONAL HOLE WIND
STREAM DURING THE NEXT 6-12 HOURS. THE FIELD WILL THEN BE ACTIVE,
WITH SHORT PERIODS AT MINOR STORM LEVEL.

III. EVENT PROBABILITIES 09 - 11 DEC

CLASS M 80/80/80

CLASS X 30/30/30

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 DEC 110

PREDICTED 09 - 11 DEC 110/111/110

90-DAY MEAN 08 DEC 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 DEC 02

ESTIMATED AFR/AP 08 DEC 02/03

PREDICTED AFR/AP 09 - 11 DEC 22/25 - 30/29 - 22/20

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