

HFUS 1 BOU 200545
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 324A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 20 NOVEMBER 1975

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS. NO FLARES HAVE BEEN REPORTED DURING THAT PERIOD. REGION 667 (S06W03) REMAINS STABLE BUT CONTAINS MIXED POLARITIES AND A STRONG MAGNETIC GRADIENT.

IB. LOW TO MODERATE LEVELS OF SOLAR ACTIVITY ARE EXPECTED DURING THE FORECAST PERIOD. CHANCES ARE GOOD FOR AT LEAST ONE M-CLASS X-RAY FLARE IN REGION 667 DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 8 HOURS. THE FIELD SHOULD REMAIN GENERALLY QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 NOVEMBER - 22 NOVEMBER

CLASS M	50/50/50
CLASS X	10/10/10
PROTON	05/05/05
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	19 NOVEMBER 96
PREDICTED	20-22 NOVEMBER 96/93/91
90-DAY MEAN	19 NOVEMBER 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	18 NOVEMBER 06
ESTIMATED AFR/AP	19 NOVEMBER 08/06
PREDICTED AFR/AP	20-22 NOVEMBER 05/05 - 05/05 - 07/07

SOLTERWARN
BT

HFUS 1 BOU 201500
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 324-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1500Z 20 NOV 1975

IA. SOLAR ACTIVITY HAS REMAINED LOW. ONLY SPORADIC CLASS C SUBFLARES HAVE BEEN REPORTED. REGION 667 (S06W08) REMAINS THE MOST DYNAMIC REGION AND HAS SHOWN LITTLE RECENT STRUCTURAL CHANGE. REGION 666 (N06W58) HAS SHOWN SOME ADDITIONAL SPOT GROWTH IN WHITE LIGHT.

IB. A LOW TO MODERATE LEVEL OF SOLAR ACTIVITY IS EXPECTED. SPORADIC SMALL FLARES ARE LIKELY IN REGIONS 666 AND 667. REGION 667 PROBABLY WILL PRODUCE A CLASS M FLARE DURING THE FORECAST PERIOD.

II. QUIET GEOMAGNETIC CONDITIONS HAVE BEEN REPORTED DURING THE PAST NINE HOURS. QUIET CONDITIONS ARE LIKELY THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 - 22 NOV

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 NOV 96

PREDICTED 20 - 22 NOV 96/93/91

90-DAY MEAN 19 NOV 79

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 NOV 06

ESTIMATED AFR/AP 19 NOV 08/06

PREDICTED AFR/AP 20 - 22 NOV 05/05 - 05/05 - 07/07

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GEOALERT WWA 324 200300
91219 10540 20960 30080 49950
45106 01000 30106 02000
80620 77771 45106 QUIET 30106 ERUPTIVE
SOLALERT MAGQUIET
FIN
SOLTERWARN

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HFUS 1 BOU 202200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO.
SDF NUMBER 324
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 NOV 1975

IA. SOLAR ACTIVITY HAS BEEN GENERALLY VERY LOW DURING THE PAST 24 HOURS. THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A CLASS C1 X-RAY BURST OF UNKNOWN ORIGIN WITH MAXIMUM AT 20/0855Z. REGION 666 (N06W63) HAS SHOWN MODERATE RECENT DEVELOPMENT BUT APPEARS TO BE STABILIZING NOW. REGION 667 (S07W14) ALSO HAS STABILIZED AND MAGNETIC GRADIENTS APPEAR TO BE WEAKENING. REGION 667 STILL CONTAINS ENHANCED PLAGE AND AN ACTIVE FILAMENT. OTHER CENTERS ARE RELATIVELY UNIMPRESSIVE, AND NO SIGNIFICANT LIMB ACTIVITY HAS BEEN REPORTED. A NOISE STORM IS STILL IN PROGRESS AT DEKAMETRIC WAVELENGTHS. THIS NOISE STORM IS BELIEVED TO BE RELATED TO CORONAL EXITATION CAUSED BY REGION 667.

IB. A VERY LOW TO LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED DURING THE NEXT THREE DAYS. REGIONS 666 AND 667 PROBABLY WILL PRODUCE SPORADIC SUBFLARES AND ONE OR TWO SMALL ENERGETIC FLARES. A CLASS M FLARE IS LIKELY DURING THE FORECAST PERIOD.

II. QUIET GEOMAGNETIC CONDITIONS WERE OBSERVED UNTIL 20/1600Z, WHEN UNSETLED CONDITIONS BEGAN. GENERALLY QUIET GEOMAGNETIC CONDITIONS ARE LIKELY THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 21-23 NOV.
CLASS M 40/30/25
CLASS X 10/08/05
PROTON 05/05/05
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 20 NOV 93
PREDICTED 21-23 NOV 90/87/85
90-DAY MEAN 20 NOV 79

V. GEOMAGNETIC A INDICES
OBSERVED FREDERICKSBURG 19 NOV 09
ESTIMATED AFR/AP 20 NOV 08/10
PREDICTED AFR/AP 21-23 NOV 05/05 - 07/07 - 04/04
SOLTERWARN
BT