

HFUS 1 BOU 210600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 325A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 NOV 75

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 666 (N06W67) AND 667 (S07W18) APPEAR STABLE AND VOID OF AND SIGNIFICANT ACTIVITY. REGION 667 SEEMS TO BE DECREASING IN SPOT AREA. THE TYPE I AND III RADIO STORM WITH CONTINUUM REMAINS MODERATE.

IB. ACTIVITY LEVELS WILL REMAIN LOW TO VERY LOW; HOWEVER SUFFICIENT COMPLEXITY EXISTS IN THE PRESENT DISK REGIONS TO PRODUCE SMALL ENERGETIC FLARES AND FREQUENT NON-ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE FOR A SHORT TIME BEGINNING 0100Z AND SINCE HAS BEEN UNSETLED. THE ORIGIN OF THIS MINOR ACTIVITY IS NOT CLEAR; HOWEVER A LOW ENERGY PROTON ENHANCEMENT WAS PRACTICALLY SIMULTANEOUS. FURTHER ACTIVE CONDITIONS ARE UNLIKELY AND THE FIELD SHOULD PASS FROM UNSETLED TO QUIET.

III. EVENT PROBABILITIES 21 NOV - 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 08/09

PREDICTED AFR/AP 21-23 NOV 11/13 - 07/07 - 04/04

SOLTERWARN

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HFUS 1 BOU 211430
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 325-B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 21 NOVEMBER 1975
IA. A 1B/M2 FLARE OCCURRED IN REGION 667 (S07W21) BEGINNING AT
21/0610Z. MANILA OBS REPORTED A 200F.U. BURST AT 2700 MHZ AND
A TYPE IV DEKAMETRIC BURST.
IB. REGION 667 HAS DIMINISHED SOME IN STRUCTRE BUT AN ISOLATED
CLASS M EVENT IS POSSIBLE WITH CLASS C EVENTS EXPECTED.
II. THE GEOMAGNETIC FIELD WAS ACTIVE BETWEEN 0100-1100Z. UN-
SETLED TO QUIET CONDITIONS ARE EXPECTED FOR THE BALANCE OF THE
FORECAST PERIOD.
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 05/07
PREDICTED AFR/AP 21 - 23 NOV 18/28 - 08/08 - 06/06
SOLTERWARN
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GEOALERT WWA 325 210300
91220 10420 29930 30080 49850
46506 00000 31507 10000
80621 77773 46606 QUIET 31607 ERUPTIVE
SOLALERT MAGQUIET
FIN
SOLTERWARN

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 325

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 NOVEMBER 1975

IA. A 4' 1B/M2 FLARE AT 21/0610Z ALSO PRODUCED A 180 F.U. BURST AT
10 CM, STRONG TYPE IV DEKAMETRIC BURST AND IMPI SHORT WAVE FADE.
THE FLARE OCCURRED AS TWO DISTINCT SEGMENTS IN REGION 667
(S07W27). ABOUT 20 PERCENT UNBRAL COVERAGE OCCURRED WITH THE
FLARE SEGMENT IN THE TRAILER PORTION OF THE REGION. THE SUNSPOT
STRUCTURE IN REGION 667 CONTINUES A SLOW DECAY, HOWEVER,
THE REGION RETAINS A DOUBLE NEUTRAL LINE ON EITHER SIDE OF THE
LARGE TRAILER SUNSPOT. THE TYPE I NOISE STORM CONTINUES WEAKLY.
IB. OCCASIONAL ENERGETIC X-RAY FLARES ARE EXPECTED FROM REGION
667 AS SLOW DECAY CONTINUES. IT IS POSSIBLE THAT TODAYS FLARE MAY
PRODUCE A PROTON ENHANCEMENT OR MINOR PCA EVENT ON 22 NOV.

II. THE GEOMAGNETIC FIELD WAS ACTIVE 0100-1100Z AND UNSETLED
SINCE. GENERALLY UNSETLED CONDITIONS ARE EXPECTED DURING THE
FORECAST PERIOD. IF SUFFICIENT PLASMA HAS BEEN INJECTED INTO THE
SOLAR WIND, THE FIELD MAY TURN TO STORM CONDITIONS ON 24 NOV.

III. EVENT PROBABILITIES 22 - 24 NOV

CLASS M 40/40/30

CLASS X 05/05/05

PROTON 15/05/05

PCAF : - YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED : 21 NOV 89

PREDICTED : 22 - 24 NOV 86/84/81

90-DAY MEAN : 21 NOV 79

V. GEOMAGNETIC A INDICES

OBSERVED : FREDERICKSBURG 20 NOV 05

ESTIMATED AFR/AP : 21 NOV 16/28

PREDICTED AFR/AP : 22 - 24 NOV 09/10 - 36/06 - 13/13

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