

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 UNSETTLED. 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 UNSETTLED 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 IB/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 STRUCTURE BUT AN ISOLATED
CLASS M EVENT IS POSSIBLE WITH CLASS C EVENTS EXPECTED.

II. THE GEOMAGNETIC FIELD WAS ACTIVE BETWEEN 0100-1100Z. UN-
SETTLED 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

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GEOALERT WWA 325 210300

91220 10420 27930 30080 49850

46506 00000 31507 10000

80621 77773 46606 QUIET 31607 ERUPTIVE

SOLALERT MAGQUIET

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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/IB/M2 FLARE AT 21/0610Z ALSO PRODUCED A 180 F.U. BURST AT
10 CM, STRONG TYPE IV DEKAMETRIC BURST AND IMP1 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 TODAY'S FLARE MAY
PRODUCE A PROTON ENHANCEMENT OR MINOR PCA EVENT ON 22 NOV.

II. THE GEOMAGNETIC FIELD WAS ACTIVE 0100-1100Z AND UNSETTLED
SINCE. GENERALLY UNSETTLED 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 - 06/06 - 13/13

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