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HFUS 1 BOU 090601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 344A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 DECEMBER 1972

IA. A SUBNORMAL FLARE WAS OBSERVED IN REGION 496 (N11E38) AT
08/2258Z. THIS FLARE HAS BEEN CLASSED AS SMALL X FROM PRELIMINARY
DATA.

IB. NO SIGNIFICANT SOLAR ACTIVITY IS EXPECTED.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 344B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 09 DEC 1972

IA. SOLAR ACTIVITY FOR THIS PERIOD WAS ALL PRODUCED BY REGION
496(N10E35). THE EVENT OF INTEREST PRODUCED BY THIS REGION WAS A
SUBNORMAL-SUBBRIGHT FLARE (08/2258Z) CLASSIFIED AS A SMALL X.
LIMB ACTIVITY AT SE10-15 MAY BE A RESULT OF OLD REGION 474.

IB. ALTHOUGH REGION 496 RETAINS A WEAK DELTA MAGNETIC CLASSIFICATION,
ENERGETIC PROTON EVENTS ARE NOT EXPECTED FROM THIS REGION WITHIN
THIS FORECAST PERIOD. CONTINUED SUBFLARE ACTIVITY IS LIKELY.

II. THE MAGNETIC FIELD HAS BEEN QUIET SINCE 07/2100Z, BUT IS
EXPECTED TO BECOME UNSETTLED FOR THE DURATION OF THIS FORECAST
PERIOD.

III. EVENT PROBABILITIES 09 - 11 DEC

CLASS M 50/55/60

CLASS X 05/08/08

PROTON 02/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 DEC 96

PREDICTED 09 - 11 DEC 98/101/105

90-DAY MEAN 08 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 DEC 11

ESTIMATED 08 DEC 04

PREDICTED 09 - 11 DEC 08/12/12

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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 344

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 09 DECEMBER 1972

IA. TWO FLARES HAVE OCCURRED DURING THE PAST 24 HOURS, BOTH IN
REGION 496 /N12E28/. A LARGE SN AT 08/2258Z WAS CLASS X1 WITH A
130 FLUX UNIT BURST AT 2700MHZ AND STRONG SUDDEN IONOSPHERIC
DISTURBANCES. INTENSE TYPE III AND TYPE IV DEKAMETRIC EMISSION
WAS ALSO OBSERVED. A SMALL IMP 2B, X-RAY CLASS UNKNOWN, AT
09/1600Z PRODUCED A 100 FLUX UNIT 2700MHZ BURST AND WEAK TO
MODERATE SID. REGION 496 CONTINUES TO DEVELOP SLOWLY. IT RETAINS A
MAGNETIC DELTA CONFIGURATION IN ITS CENTRAL PORTION BUT FIELD
GRADIENTS APPEAR TO BE RELATIVELY WEAK. THE SOUTHEAST LIMB
CONTINUES TO BE A SOURCE OF MINOR SURGE ACTIVITY AND ENHANCED
X-RAY EMISSION BUT NEITHER SPOTS NOR PLAGE HAVE CROSSED THE LIMB.
IB. INFREQUENT BUT ENERGETIC FLARES ARE EXPECTED FROM REGION
496 DURING THE NEXT 72 HOURS. EVENTS UP TO CLASS X ARE
POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET. A RECURRENT-TYPE
DISTURBANCE IS EXPECTED TO BEGIN ON 11-12 DECEMBER.

III. EVENT PROBABILITIES 10-12 DEC

CLASS M 65/65/65

CLASS X 10/10/10

PROTON 05/08/08

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 DEC 104

PREDICTED 10-12 DEC 106/109/111

90-DAY MEAN 09 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 DEC 05

ESTIMATED 09 DEC 02

PREDICTED 10-12 DEC 08/09/12

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