

HFUS 1 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 310A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 06 NOV 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 520 (S11W85) PRODUCED
A IB, XRAY CLASS M1 FLARE AT 06/0313Z. THIS FLARE WAS ACCOMPANIED
BY SHORT WAVE FADES, A RADIO BURST OF 120 FLUX UNITS AT 2695 MHZ,
AND A SURGE OBSERVED TO .12 RADIUS. A MINOR PROTON EVENT REMAINS IN
PROGRESS AND XRAY BACKGROUNDS REMAIN HIGH.

IB. ENERGETIC ACTIVITY IS EXPECTED TO CONTINUE AS REGION 520 ROUNDS
THE WEST LIMB.

II. THE GEOMAGNETIC FIELD REMAINS GENERALLY QUIET. QUIET CONDITIONS
ON 6 NOV ARE EXPECTED TO CHANGE TO UNSETTLED CONDITIONS ON 7 AND 8
NOV.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 061430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 310B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 06 NOV 1974

IA. SOLAR ACTIVITY CONTINUES AT A HIGH LEVEL WITH AR519
AND AR520 CONTRIBUTING M TYPE FLARES. THE LATEST - A ONE NORMAL
TO ONE BRIGHT AT 1350Z IN AR519 WAS CLASSIFIED AS M TWO.

IB. THE HIGH LEVEL OF SOLAR ACTIVITY IS EXPECTED TO DIMINISH
SLIGHTLY AS AR520 RECEDES, YET AR517/519 COMPLEX WILL CONTINUE
AS MAJOR FLARE PRODUCING REGION.

II. GEOMAGNETIC FIELD CONTINUES QUIET, HOWEVER DISTURBED TO
STORM CONDITIONS IN NEXT THREE DAYS.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG NO CHANGE

ESTIMATED AFR/AP NO CHANGE

PREDICTED AFR/AP 7 - 9 NOV 14/18 - 16/20 - 33/45

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HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 310

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 NOVEMBER 1974

IA. THE WEST LIMB PASSAGE OF AR 520 PROVIDED THE USUAL ACTIVE
REGION/PROMINENCE REPORTS. MEANWHILE BACK NEAR CENTRAL MERIDIAN,
AR 519 APPEARED TO BE SIMPLIFYING ITS MAGNETIC STRUCTURE. BOTH AR
520 AND AR 519 HAVE PRODUCED M TWO LEVEL XRAY EVENTS IN THE PAST
1800 HOURS.

IB. SW LIMB ACTIVITY FROM AR 520 AND M LEVEL FLARES IN AR 519
SHOULD CONTINUE FOR NEXT 3 DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THIS QUIET CONDITION MAY
CONTINUE FOR ANOTHER DAY. HOWEVER THE COMBINATION OF FLARE EFFECTS
AND RECURRENCE SHOULD BRING SEVERAL DAYS OF DISTURBED TO STORM
CONDITIONS.

III. EVENT PROBABILITIES - 07 NOV - 09 NOV

CLASS M 85/80/60

CLASS X 20/10/5

PROTON 15/10/5

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 6 NOV 94

PREDICTED 7 NOV - 09 NOV 94/93/90

90-DAY MEAN 6 NOV 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 5 NOV 05

ESTIMATED AFR/AP 6 NOV 07/08

PREDICTED AFR/AP 7 NOV - 9 NOV 14/18 - 16/20 - 33/45

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