

HXUS BOU 211400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 326A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 21 NOV 1980

IA. SOLAR ACTIVITY REMAINS AT MODERATE LEVELS. REGION 2793 (N12E13) CONTINUES TO PRODUCE M CLASS ACTIVITY ALTHOUGH A SLOW DECAY HAS REPORTEDLY STARTED. MAGNETIC GARDIENTS IN 2793 REMAIN STRONG WHILE POINT BRIGHTENINGS AND AN ACTIVE FILAMENT ATTEST TO ITS DYNAMIC TENDENCIES. AN M1/SB FLARE AT 210755Z (MAX) HAD UNBALANCED COVERAGE IN THE VICINITY OF THE DELTA CONFIGURATION BUT ASSOCIATED RADIO EMISSIONS WERE SMALL. REGION 2794 (N10W01) MAY BE REGENERATING AS OBSERVATORIES REPORT A PERSISTENT AFS AND A NEUTRAL LINE THAT IS BECOMING INCREASINGLY MORE KINKED AND COMPLEX. REGION 2790 (N16W33) HAS AN ACTIVE DARK FILAMENT AND HAS PRODUCED AN OCCASIONAL SUBFLARE BUT THIS WOULD APPEAR TO BE THE LIMITS OF ITS CAPABILITIES. A NEW REGION IS LOCATED NEAR N15E64, IS A "C" TYPE SPOT GROUP WITH BRIGHT PLAGE AND IS NUMBER 2800.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS WITH TWO OR MORE M EVENTS PER DAY.

II. THE GEOMAGNETIC FIELD EXPERIENCED BRIEF PERIODS OF ACTIVE CONDITIONS DURING THE PAST 24 HOURS. THE FIELD SHOULD BE UNSETTLED DURING THE COMING 24 HOURS.

III. EVENT PROBABILITIES: 22 NOV - 24 NOV

CLASS M 90/90/90

CLASS X 15/15/15

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 20 NOV 166

ESTIMATED 21 NOV 160

PREDICTED 22-24 NOV 160/162/162

90 DAY MEAN 20 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED AFR 19 NOV 14 AP 20 NOV 14

ESTIMATED AFR 20 NOV 17 AFR/AP 21 NOV 15/17

PREDICTED AFR/AP 22-24 NOV 10/15 10/12 08/10

SOLTERWARN

BT

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 326B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200UT 21 NOV 1980

IA. SOLAR ACTIVITY REMAINS AT MODERATE LEVELS. REGION 2793 (N12E13) CONTINUES TO PRODUCE M CLASS ACTIVITY ALTHOUGH A SLOW DECAY HAS REPORTEDLY STARTED. MAGNETIC GRADIENTS IN 2793 REMAIN STRONG WHILE POINT BRIGHTENINGS AND AN ACTIVE FILAMENT ATTEST TO ITS DYNAMIC TENDENCIES. AN M1/SB FLARE AT 210755Z (MAX) HAD UNBALANCED COVERAGE IN THE VICINITY OF THE DELTA CONFIGURATION BUT ASSOCIATED RADIO EMISSIONS WERE SMALL. REGION 2794 (N10W01) MAY BE REGENERATING AS OBSERVATORIES REPORT A PERSISTENT AFS AND A NEUTRAL LINE THAT IS BECOMING INCREASINGLY MORE KINKED AND COMPLEX. REGION 2790 (N16W33) HAS AN ACTIVE DARK FILAMENT AND HAS PRODUCED AN OCCASIONAL SUBFLARE BUT THIS WOULD APPEAR TO BE THE LIMITS OF ITS CAPABILITIES. A NEW REGION IS LOCATED NEAR N15E64, IS A "C" TYPE SPOT GROUP WITH BRIGHT PLAGE AND IS NUMBER 2800.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS WITH TWO OR MORE M EVENTS PER DAY.

II. THE GEOMAGNETIC FIELD EXPERIENCED BRIEF PERIODS OF ACTIVE CONDITIONS DURING THE PAST 24 HOURS. THE FIELD SHOULD BE UNSETLED DURING THE COMING 24 HOURS, BECOMING MOSTLY QUIET TOWARD THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 22 NOV - 24 NOV

CLASS M 90/90/90

CLASS X 15/15/15

PROTON 81/81/81

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 20 NOV 166

PREDICTED 22-24 NOV 163/162/162

90-DAY MEAN 21 NOV 202

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 20 NOV 19/14

ESTIMATED AFR/AP 21 NOV 13/13

PREDICTED AFR/AP 22-24 NOV 10/12 - 10/10 - 08/10

SOLTERWARN

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