

HFUS 1 BOU 192200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SD F NUMBER 323
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 NOV 1978

I A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.
ALL REGIONS APPEAR STABLE OR ARE DECLINING. THE ONE EXCEPTION
IS REGION 1398 (N38W46) WHICH HAS REFORMED A SPOT GROUP AND IS
BRIGHT IN H-ALPHA. MOST OF THE SURGE AND FILAMENT ACTIVITY THAT
WAS OBSERVED YESTERDAY HAS NOT BEEN REPORTED TODAY. HOWEVER THE
AFS IN REGION 1404 CONTINUES.

I B. SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL FOR THE NEXT
24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED. NO
SIGNIFICANT CHANGE IS EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES, 20 NOV - 22 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 NOV 131

PREDICTED 20 - 22 NOV 133/136/137

90-DAY MEAN 19 NOV 154

V. GEOMAGNETIC A-F INDICES

OBSERVED FREDERICKSBURG 18 NOV 04

ESTIMATED AFR/AP 19 NOV 12/12

PREDICTED AFR/AP 20 - 22 NOV 10/14 - 14/20 - 12/15

SOLTERWARN

BT

THRU THE 18

HFUS 1: BOUL 192200

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SDF NUMBER 323

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 2110 (N33W85) PRODUCED A M2/SB WITH X-RAY MAX AT 1230Z. WEAK CENTIMETRIC BURSTS AND A STRONG SHOR WAVE FADE ACCCOMPANIED THIS FLARE. OTHER FLARES HAVE BEEN CONFINED TO MID TO LOW LEVEL CLASS C X-RAY BURSTS. REGION 2124 (S32W44) HAS LOST ITS MAGNETIC DELTA AND NOW HAS BETA GAMMA CONFIGURATION. REGION 2133 (N31W32) HAS A SMALL SEGMENT OF EAST-WEST NEUTRAL LINE BUT ESSENTIALLY IS A BIPOLE GROUP. OTHER DISK REGIONS ARE SIMPLE MAGNETICALLY.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE AS THE DISK REGIONS CONTINUE TO SIMPLIFY IN STRUCTURE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. GENERALLY UNSETLED CONDITIONS ARE EXPECTED OVER THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 20-22 NOV

CLASS M 60/50/40

CLASS X 05/03/03

PREDICTON 05/03/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 NOV 220

PREDICTED 20-22 NOV 215/210/205

90-DAY MEAN 19 NOV 222

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 18 NOV 05

ESTIMATED AFR/AP 19 NOV 06/08

PREDICTED AFR/AP 20-22 NOV 10/10 10/10 07/10

SOLTERWARN

BT