

HFIIS 1 BOU 2022.00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 324

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 NOVEMBER 1978

I A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.

A FEW CLASS C X-RAY FLARES WERE SEEN, THE LARGEST WAS A C-2/SN
FLARE AT 1500 UT FROM REGION 1404 (S22W00). AN ERUPTIVE
PROMINENCE (NW45) OCCURED AT 1510 UT AND EXTENDED OUT TO .16.
REGION 1404 HAS CONTINUED TO SHOW GROWTH. NEW REGIONS 1408 (S30E04)
AND 1409 (S17E65) ARE BOTH SIMPLE A TYPE.

B. SOLAR ACTIVITY WILL REMAIN LOW FOR THE NEXT 24 HOURS.

III. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.
THE GEOMAGNETIC FIELD IS EXPECTED TO BE NEAR ACTIVE LEVELS FOR
THE NEXT 24 HOURS THEN TO BECOME UNSETTLED FOR THE REST OF THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 21 NOV - 23 NOV

CLASS M 05/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 NOV 138

PREDICTED 21 - 23 NOV 141/144/147

90-DAY MEAN 20 NOV 154

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 19 NOV 11

ESTIMATED AFR/AP 20 NOV 14/20

PREDICTED AFR/AP 21 - 23 NOV 14/20/- 13/15 - 13/15

SOLTERWARN

BT

HFUS 1 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SD F NUMBER 324

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 20 NOVEMBER 1979

I A. WEATHER AND MAINTENANCE HAVE HAMPERED OPTICAL OBSERVATIONS
WITH BOULDER INUNDATED BY A MAJOR SNOW STORM. SOLAR ACTIVITY
HAS BEEN MODERATED TO LOW. THE LARGEST X-RAY BURST WAS A M1
WITH MAX AT 1511Z. THE ONLY CORRELATED FLARE WAS A C5/SN AT
0507Z REPORTED BY MANILA AND OCCURRING IN REGION 2119 (N31W54).
SHORT WAVE FADES ACCCOMPANIED BOTH OF THESE EVENTS. ANOMOLOUS
POLES MAY BE DEVELOPING WITH REGION 2119. KITT PEAK MAGNETOGGRAM
INDICATES A BETA GAMMA CONFIGURATION FOR REGIONS 2124 (S32W57)
AND 2133 (N31W45) BUT MAGNETIC GRADIENTS APPEAR TO BE CONTINUING
TO DECLINE.

I B. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE TO LOW WITH AN
INCREASING TEMPORAL SPREAD IN THE OCCURRENCE OF CLASS M EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED. SLIGHTLY UNSETLED
CONDITIONS ARE EXPECTED THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 21-23 NOV

CLASS M 50/40/40

CLASS X 03/03/01

PROTON 03/03/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 NOV 211

PREDICTED 21-23 NOV 203/196/192

90-DAY MEAN 20 NOV 221

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 19 NOV 25

ESTIMATED AFR/AP 20 NOV 10/11

PREDICTED AFR/AP 21-23 NOV 10/10 07/10 07/08

SOLTERWARN 20 NOV 10/10 07/10 07/08

BT 20 NOV 10/10 07/10 07/08