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HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 310

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 NOVEMBER 1978

I A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.
ACTIVITY WAS CONFINED TO C-CLASS EVENTS WITH THE STRONGEST A
C-5 OCCURRING AT 1322 UT (MAX) WITH NO OPTICAL CONFIRMATION AND
AT 1226 UT (MAX) WHEN A C-3 1B FLARE WAS OBSERVED FROM REGION
1374 (S25W27). SURFLARES HAVE BEEN OBSERVED FROM REGION 1381
(S19W38), REGION 1382 (S12E10) AND REGION 1385 (N18E44) DURING
THE PERIOD. REGION 1374 CONTINUES TO DECAY AND IS NOW A B-TYPE.
A NEW REGION NUMBERED 1388 AT S19E75 IS A SIMPLE REGION THUS
FAR AND APPEARS TO BE RETURNING REGION 1348.

I B. SOLAR ACTIVITY WILL BE AT LOW TO OCCASIONAL MODERATE LEVELS
DURING THE NEXT 48 HOURS. REGIONS 1382 AND 1385 ARE CAPABLE OF
PRODUCING AN ENERGETIC EVENT AS THEY MOVE TOWARD CENTRAL MERIDIAN.
THE 1374/1381 COMPLEX, ALTHOUGH SHOWING SOME DECAY, REMAINS
INTERESTING.

II. THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST 24 HOUR
PERIOD. THIS QUIET CONDITION SHOULD PREVAIL DURING THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 07 NOVEMBER - 09 NOVEMBER

CLASS M 50/60/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 NOVEMBER 179

PREDICTED 07 NOV - 09 NOV 175/173/170

90-DAY MEAN 06 NOVEMBER 149

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 NOVEMBER 05

ESTIMATED AFR/AP 06 NOVEMBER 03/06

PREDICTED AFR/AP 07 NOV - 09 NOV 04/07 - 06/08 - 07/08

SOLTERWARN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 310

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 06 NOVEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN HIGH DURING THE PAST 24 HOURS.

NUMEROUS M CLASS X-RAY EVENTS HAVE OCCURRED DURING THE PAST 24 HOURS UNFORTUNATELY MOST HAD NO OPTICAL CORRELATION. THE LARGEST OF THE M CLASS FLARES WAS A M6/SB FROM REGION 2099 (S16E35) AT 1451 UT.

THIS EVENT WAS ACCCOMPANIED BY A RADIO BURST OF 320 FLUX UNITS ON 269.5 MHZ AND A STRONG SHORT WAVE FADE. A XI X-RAY, WITH A TYPE

II AND IV SWEEP, OCCURRED AT 0518 UT. THIS EVENT APPARENTLY WAS FROM NEW REGION 2110 (N31E79). A SPRAY OUT TO .4 RAD II WAS ALSO REPORTED. MOST OF THE EVENTS TODAY HAVE HAD MODERATE RADIO BURSTS ASSOCIATED WITH THEM.

M CLASS FLARES WERE M2 0231 UT, M2 0319 UT, M2 0417 UT, M3 0839 UT, M4 0859 UT, M2 1127 UT, M2/2B REGION

2084 (N20W61) 1416 UT, M1/SB 1543 UT, M1/SN REGION 2099 1636 UT,

M3/SB REGION 2099 AT 1910 UT, AND A M2/SB REGION 2099 AT 2004 UT.

NEW REGIONS TODAY ARE 2108 (S25E04) SIMPLE A TYPE, 2109 (S22E09)

B TYPE AND 2110 WHICH IS TO CLOSE TO LIMB TO PERMIT DETAILED ANALYSIS.

IB. A CONTINUED INCREASE IN ACTIVITY IS EXPECTED AS REGION 2099 CONTINUES TO SHOW GROWTH AND A INCREASE IN IT'S MAGNETIC COMPLEXITY AND REGION 2110 WHICH APPARENTLY PRODUCED THE ONLY X CLASS X-RAY EVENT DURING THE PAST 24 HOURS CONTINUES TO TRANSIT THE EAST LIMB.

II. THE GEOMAGNETIC FIELD HAS REMAINED GENERALLY QUIET FOR THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE QUIET DURING THE NEXT 24 HOURS THEN TO BECOME UNSETTLED FOR THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07-09 NOVEMBER

CLASS M 90/90/90

CLASS X 30/30/30

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 NOV 285

PREDICTED 07-09 NOV 295/305/308

5-DAY MEAN 06 NOV 206

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 05 NOV 01

ESTIMATED AFR/AP 06 NOV 04/06

PREDICTED AFR/AP 07-09 NOV 04/10 10/12 12/12

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