

HFUS 1 BOU 051300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 309A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 05 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 04/1200Z TO 05/1200Z: SOLAR ACTIVITY HAS BEEN LOW WITH ONLY SIX
 SMALL C-CLASS XRAY EVENTS REPORTED. REGION 3969 (S11W81)
 PRODUCED THE LARGEST EVENTS, A C4/1B FLARE AT 1410Z AND
 SEVERAL SMALL SUBFLARES, HOWEVER IT REMAINS A SMALL SIMPLE
 REGIONS. REGION 3974 (N05E35) IS THE MOST INTERESTING REGION ON
 THE DISK BECAUSE IT CONTAIN A WEAK BUT COMPLEX MAGNETIC
 STRUCTURE. SLIGHT GROWTH IS REPORTED BUT IT HAS NOT BEEN ACTIVE
 TODAY. ALL OTHER REGIONS ARE STABLE OR DECLINING. A SMALL NEW
 REGION 3976 (N13E66) WAS NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REMAIN LOW WITH NO REGIONS CURRENTLY ON THE DISK CAPABLE OF
 SIGNIFICANT ACTIVITY AND NO PREVIOUSLY ACTIVE REGIONS DUE TO
 RETURN IN THE NEXT THREE DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED DURING THE PAST 24 HOURS. A LARGE PORTION OF A
 NORTHERN FILAMENT FROM N37E33 TO N25E01 DISAPPEARED ON 04 NOV
 BETWEEN 1430Z AND 1730Z, HOWEVER NO MAJOR RESTUCTURING IN THE
 NEUTRAL LINE HAS BEEN REPORTED. ACTIVE CONDITIONS ARE EXPECTED
 ON 08 NOV FROM THIS FILAMENT. ACTIVE CONDITIONS ARE ALSO
 EXPECTED 06-07 NOV FROM A CORONAL HOLE WHICH PASSED CENTRAL
 MERIDIAN ON 02 NOV.

III. EVENT PROBABILITIES 06 NOV-08 NOV

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	04 NOV	143
ESTIMATED	05 NOV	141
PREDICTED	06 NOV-08 NOV	139/137/135
90 DAY MEAN	04 NOV	166

V. GEOMAGNETIC A INDICES

OBSERVED AFR	03 NOV	014	AP 04 NOV	010
ESTIMATED AFR	04 NOV	008	AFR/AP 05 NOV	012/015
PREDICTED AFR/AP	06 NOV-08 NOV	025/020-019/020-025/045		

SOLTERWARN
 BT

HXUS BOU 051300
 PREDM 00506 00507 00508
 PREDX 00106 00107 00108
 PREDP 00106 00107 00108
 PCAFT 00106
 TENCM 13906 13707 13508
 AFRED 02506 01907 02508
 AFAPF 02006 02007 04508
 KKK 23344 33333 44433
 BT

HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 309B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z TO 05/2100Z: SOLAR ACTIVITY HAS BEEN LOW WITH NO CLASS C FLARES BEING OBSERVED DURING THE PERIOD. SLIGHT GROWTH HAS BEEN OBSERVED IN SEVERAL SMALL REGIONS. TWO SMALL NEW REGIONS HAVE BEEN NUMBERED TODAY - 3978 (N26E67) AND 3977 (S09E31). REMNANTS OF THE LARGE FILAMENT DISRUPTION IN THE NORTHEAST QUADRANT REMAIN VISIBLE TODAY BUT THESE HAVE BEEN OBSERVED TO BE SLOWLY FADING. ACTIVE SURGING HAS RECENTLY BEEN OBSERVED AT NE05.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE NEXT THREE DAYS. THE REGION SURGING ON THE NORTHEAST LIMB IS A NEW REGION SO IT MAY BE IN A GROWTH STAGE. NO SIGNIFICANT ACTIVE REGIONS ARE EXPECTED TO RETURN TO THE EAST LIMB DURING THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS CONTINUED UNSETTLED DURING THE PERIOD. UNSETTLED CONDITIONS SHOULD CONTINUE THROUGH TODAY. ACTIVE LEVELS ARE FORECAST FOR 06-08 NOV IN RESPONSE TO A HIGH SPEED SOLAR WIND STREAM. MINOR STORM CONDITIONS ARE EXPECTED ON 08-09 NOV AS A RESULT OF YESTERDAY'S FILAMENT ERUPTION.

III. EVENT PROBABILITIES 06 NOV-08 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 NOV 139

PREDICTED 06 NOV-08 NOV 137/135/133

90 DAY MEAN 05 NOV 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 NOV 005/010

ESTIMATED AFR/AP 05 NOV 008/012

PREDICTED AFR/AP 06 NOV-08 NOV 025/020-019/020-030/045

SOLTERWARN

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