

HFUS 1 BOU 021300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 336A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 02 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
01/1200Z TO 02/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING
THIS PERIOD. THE LARGEST EVENT OBSERVED WAS A C5/SN AT
02/0640UT FROM REGION 4007 (S15W19) THIS EVENT HAD MINOR RADIO,
17 FLUX UNITS AT 2695MHZ, REGION 4005 (S10E01) ALSO HAD SEVERAL
SMALL C-CLASS EVENTS.

NEW REGION 4012 (N12E62) IS BEHIND REGION 4010 (N09E44) AND
TAKES THE TRAILERS OF 4010 THE MAGNETIC ANALYSIS OF THE GROUPS
NOW MAKES REGION 4010 A SIMPLE "H" TYPE GROUP AND 4012 A SMALL
"E" TYPE GROUP WITH 12 SPOTS. A NEW REGION MAY BE FORMING SE OF
4012

HOWEVER LIMITED INFORMATION PREVENTS NUMBERING AT THIS TIME.
THE SECTION OF THE LARGE NE TO SW FILAMENT WHICH DISAPPEARED ON
01 DEC HAS DISAPPEARED AND REFORMED ON THE LAST TWO ROTATIONS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW DURING THIS FORECAST PERIOD. REGIONS 4007, 4005 AND
4012 MAY PRODUCE AN ISOLATED "M" CLASS EVENT DURING THE
FORECAST PERIOD. ALTHOUGH OLD REGION 3987 (S12 L138) WILL BE
NEAR THE EAST LIMB ON THE LAST DAY OF THE FORECAST IT WAS
DECAYING AS IT APPROACHED THE WEST THEREFORE ONLY MINOR
ACTIVITY IS EXPECTED.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET DURING THE PAST 24 HOURS. THE LARGE SECTION OF THE
NE TO SW FILAMENT WHICH DISAPPEARED ON 01 DEC ALSO DISAPPEARED
ON 04 NOV AND 11 OCT WITHOUT MUCH CHANGE IN THE OBSERVED
GEOMAGNETIC FIELD. IN THE ABSENCE OF LARGE FLARES THE FIELD IS
EXPECTED TO REMAIN QUIET TO UNSETTLED DURING THIS FORECAST
PERIOD.

III. EVENT PROBABILITIES 03 DEC-05 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 173

ESTIMATED 02 DEC 176

PREDICTED 03 DEC-05 DEC 170/170/176

90 DAY MEAN 01 DEC 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR 30 NOV 012 AP 01 DEC 005

ESTIMATED AFR 01 DEC 003 AFR/AP 02 DEC 003/005

PREDICTED AFR/AP 03 DEC-05 DEC 010/010-010/015-012/015

SOLTERWARN

BT

HFUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 336B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 02 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
02/1200Z TO 02/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE FOR THE
PAST 9 HOURS. NEW REGION 4012 (N13E55), PREVIOUSLY CONSIDERED
TO BE THE EASTERN PORTION OF REGION 4010 (N09E40), PRODUCED A
LONG-LASTING M1/1B FLARE MAXING AT 1757Z. MINOR RADIO BURSTS
ACROSS THE CENTIMETRIC SPECTRUM AND SYMPATHETIC ACTIVITY IN
REGION 4010 ACCOMPANIED THE FLARE. NEW REGION 4014 (N05E59), A
C-TYPE GROUP JUST SOUTHEAST OF 4012, HAS PRODUCED 2 SUBFLARES
AND ADDS TO THE INTEREST IN THE NORTHEAST QUADRANT. REGION 4005
(S11W05) IS GROWING AND ITS LARGE LEADER SPOT IS CHANGING
SHAPE. NEW REGION 4013 (N14E04) EMERGED ON THE DISK AND IS
PRESENTLY A D-TYPE GROUP. EXCEPT FOR A SINGLE SUBFAINT FLARE,
REGION 4007 (S14W24) HAS REMAINED STABLE THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW BUT WITH THE POSSIBILITY OF ADDITIONAL M-CLASS ACTIVITY
FROM THE COMPLEX OF REGIONS IN THE NORTHEAST QUADRANT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET FOR THE PAST 9 HOURS. GENERALLY QUIET CONDITIONS ARE
FORECAST TO CONTINUE FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 03 DEC-05 DEC

CLASS M 20/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DEC 171

PREDICTED 03 DEC-05 DEC 170/170/170

90 DAY MEAN 02 DEC 165

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 DEC 002/005

ESTIMATED AFR/AP 02 DEC 002/005

PREDICTED AFR/AP 03 DEC-05 DEC 010/010-010/015-010/015

SOLTERWARN

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