

HFUS 1 BOU 121300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 012A
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 12 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/1200Z TO 12/1200Z: SOLAR ACTIVITY HAS BEEN LOW WITH ONLY VERY SMALL C CLASS SUBFLARES REPORTED IN THE PAST 24 HOURS. REGION 3545 (S16W62) REMAINS THE LARGEST AND MOST INTERESTING REGION ON THE DISK, WITH A SPOT GROUP OF CLASS/AREA D/260. HOWEVER, IT HAS NOT CHANGED SIGNIFICANTLY AND HAS NOT BEEN ACTIVE TODAY. NEW REGION 3549 (S07E58) ROTATED AROUND EAST LIMB AS A SMALL BUT GROWING REGION. IT PRODUCED A C1/SN FLARE AT 12/0213Z. ALL OTHER REGIONS ARE SMALL AND DECLINING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW DURING THE FORECAST PERIOD. AN ISOLATED M CLASS EVENT IS POSSIBLE FROM REGION 3545, OR REGION 3549 IF IT CONTINUES TO DEVELOP.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET. QUIET TO SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 JAN-15 JAN

CLASS M 15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 141

ESTIMATED 12 JAN 135

PREDICTED 13 JAN-15 JAN 127/122/120

90 DAY MEAN 11 JAN 209

V. GEOMAGNETIC A INDICES

OBSERVED AFR 10 JAN 004 AP 11 JAN 003

ESTIMATED AFR 11 JAN 007 AFR/AP 12 JAN 005/009

PREDICTED AFR/AP 13 JAN-15 JAN 008/008-008/008-008/008

SOLTERWARN

BT

HXUS BOU 121300

PREDM 01513 01514 01515

PREDX 00113 00114 00115

PREDP 00113 00114 00115

PCAF 00113

TENCM 12713 12214 12015

AFRED 00813 00814 00815

AFAPF 00813 00814 00815

KKK 22232 22222 23222

BT

END OF BUFFER

HFXS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 012B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/1200Z TO 12/2100Z: SOLAR ACTIVITY WAS AT VERY LOW LEVELS DURING THIS PERIOD. THE BACKGROUND XRAY FLUX HAS DRIFTED TO WELL BELOW THE C1 LEVEL, AND ONLY ONE OR TWO INSIGNIFICANT SUBFLARES WERE OBSERVED TODAY. NO REGION ON THE DISK HAS MAJOR FLARE POTENTIAL.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW TO VERY LOW LEVELS. HO-HUM.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET. NO CHANGE IS FORESEEN FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 13 JAN-15 JAN

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 137

PREDICTED 13 JAN-15 JAN 130/125/125

90 DAY MEAN 12 JAN 207

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JAN 006/003

ESTIMATED AFR/AP 12 JAN 003/009

PREDICTED AFR/AP 13 JAN-15 JAN 008/008-008/008-008/008

SOLTERWARN

BT

HFXS BOU 122200

PREDM 01013 01014 01015

PREDX 00113 00114 00115

PREDP 00113 00114 00115

PCAF 00113

TENCM 13013 12514 12515

AFRED 00813 00814 00815

AFAPF 00813 00814 00815

BT