

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 15/15/15

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

PCAFT 00113

TENCM 12713 12214 12015

AFRED 00813 00814 00815

AFAPF 00813 00814 00815

KKK 22232 22222 23222

BT

END OF BUFFER

HFUS 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

HXUS BOU 122200  
PREDM 01013 01014 01015  
PREDX 00113 00114 00115  
PREDP 00113 00114 00115  
PCAFT 00113  
TENCM 13013 12514 12515  
AFRED 00813 00814 00815  
AFAPF 00813 00814 00815  
BT