

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  
 TENCN 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