

HFUS 1 BOU 071400  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 007A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1200UT 07 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
06/1200UT TO 07/1200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS WITH ONLY C-CLASS SUBFLARE ACTIVITY OCCURRING. REGION 2875 (S15E20) HAS BEEN THE PRIME PRODUCER OF THIS ACTIVITY, BUT NOW INDICATIONS OF SLOW DECAY IN THIS REGION HAVE BEEN REPORTED. REGION 2874 (S13W03), PREVIOUSLY STABLE AND DULL, HAS BEGUN TO GROW WITH SUBFLARE ACTIVITY INCREASING. NEW REGION 2881 (S07E17) IS GROWING SLOWLY AS IS 2880 (N06E61). SURGING AT N06, EAST LIMB BEHIND 2880 INDICATES A NEW REGION SHOULD BECOME VISIBLE AT THAT LOCATION SHORTLY. A BSL EXTENDING TO .29 RADII WAS OBSERVED AT 07/0552Z NEAR N14W90.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE NEXT 24 HOURS; HOWEVER, RETURNING ACTIVE REGIONS ALONG WITH THE DEVELOPMENT OF SOME DISK REGIONS IS EXPECTED TO INCREASE ACTIVITY AND SOLAR PARAMETERS SLIGHTLY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS GENERALLY QUIET DURING THE PAST 24 HOURS EXCEPT FOR A BRIEF ACTIVE PERIOD BETWEEN 06/12Z AND 15Z. UNSETTLED CONDITIONS ARE EXPECTED THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 08 JANUARY - 10 JANUARY 1981

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 06 JANUARY 163

ESTIMATED 07 JANUARY 162

PREDICTED 08-10 JANUARY 165/168/172

90 DAY MEAN 06 JANUARY 217

V. GEOMAGNETIC A INDICES

OBSERVED AFR 05 JAN 08 AP 06 JAN 07

ESTIMATED AFR 06 JAN 05 AFR/AP 07 JAN 08/10

PREDICTED AFR/AP 08-10 JAN 10/10 08/08 08/08

SOLTERWARN

BT

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 007B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200UT 07 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
07/1200UT TO 07/1200UT:

SOLAR ACTIVITY HAS BEEN LOW SINCE 1200UT. REGION 2874 (S13W08)  
HAS PRODUCED A COUPLE OF BRILLIANT SUBFLARES DURING THAT TIME,  
ACCOMPANIED BY MODERATE SIZE C-CLASS X-RAY BURSTS. THAT REGION  
IS CURRENTLY THE MOST INTERESTING ON THE DISK AS IT CONTINUES  
TO GROW RAPIDLY. NEW REGION 2882 (N05E77) HAS NOW APPEARED.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO CONTINUE GENERALLY LOW.

II. GEO PHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED SINCE  
1200UT. THE FIELD IS EXPECTED TO CONTINUE GENERALLY MILDLY UN-  
SETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 08 JANUARY - 10 JANUARY 1981

CLASS M 20/25/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 07 JANUARY 174

PREDICTED 08-10 JANUARY 177/180/184

90 DAY MEAN 07 JANUARY 217

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JANUARY 05/07

ESTIMATED AFR/AP 07 JANUARY 09/08

PREDICTED AFR/AP 08-10 JANUARY 10/10 08/08 08/08

SOLTERWARN

BT