

HFXUS 1 BOU 271300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 331A  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 27 NOV 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE. AN M2/2B FLARE OCCURRED AT 1621Z FROM REGION 3478 (N12E01) AND AN M1/1B FLARE OCCURRED AT 1946Z FROM REGION 3477 (S05E49). NO SIGNIFICANT RADIO BURSTS OR SWEEPS ACCOMPANIED THE FLARES. BOTH REGIONS ARE CONTINUING TO GROW BUT NOT AS RAPIDLY AS EARLIER IN THE PERIOD. REGION 3477 IS MORE MAGNETICALLY COMPLEX BUT BOTH ARE STILL BASICALLY BIPOLEAR. NEW REGION 3480 (S22E08) HAS EMERGED AS A C-TYPE GROUP. ANOTHER NEW REGION MAY BE EMERGING SOUTHEAST OF 3477.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW BUT WITH AN INCREASED PROBABILITY OF ISOLATED M-CLASS ACTIVITY FROM 3477 AND 3478. AT PRESENT NEITHER REGION POSSESSES CHARACTERISTICS FAVORABLE FOR MAJOR FLARES.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR THE PAST 24 HOURS. THE FIELD IS NOW EXPECTED TO REMAIN MOSTLY QUIET WITH THE POSSIBILITY OF UNSETTLED CONDITIONS ON 29, 30 NOV IN RESPONSE TO THE SIGNIFICANT FLARES ON 26 NOV.

III. EVENT PROBABILITIES 28 NOV-30 NOV

CLASS M	40/50/50
CLASS X	01/01/01
FRCTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	26 NOV	182
ESTIMATED	27 NOV	200
PREDICTED	28 NOV-30 NOV	211/216/221
90 DAY MEAN	26 NOV	218

V. GEOMAGNETIC INDICES

OBSERVED AFR	25 NOV	020	AP 26 NOV	008
ESTIMATED AFR	26 NOV	008	AFR/AP 27 NOV	008/012
PREDICTED AFR/AP	28 NOV-30 NOV	007/010-012/010-014/012		

SOLTERWARN  
BT

HFXUS BOU 271300  
PREDM 04028 05029 05030  
PREDX 00128 00129 00130  
FREDP 00128 00129 00130  
FCAFT 00128  
TENCM 21128 21629 22130  
AFRED 00728 01229 01430  
AFAPP 01028 01029 01230  
KKK 22222 22222 23332  
BT

HFUS 3 BOU 272200  
FRCM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 331B  
JCINT USAF/NCAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 27 NOV 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. REGION 3477 (S08E44) CONTINUES TO INCREASE IN BOTH SIZE AND MAGNETIC COMPLEXITY AND NOW CONTAINS TWO DELTAS. REGION 3478 (N12W04) ALSO IS GROWING IN SIZE AND HAS A ARCH FILAMENT SYSTEM. NEW REGION TCDAY 3481 (S14E62) SIMPLE C-TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH REGION 3477 HAVING THE BEST CHANCE FOR M-CLASS ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED FOR THE THIS PERIOD. THE FIELD IS EXPECTED TO REMAIN GENERALLY QUIET UNTIL 29-30 NOV WHEN UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 28 NOV-30 NOV

CLASS M	40/50/50
CLASS X	01/01/01
FRCTCN	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	27 NOV	196
PREDICTED	28 NOV-30 NOV	211/216/221
90 DAY MEAN	27 NOV	218

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP 26 NOV	009/008
ESTIMATED	AFR/AP 27 NOV	008/008
PREDICTED	AFR/AP 28 NOV-30 NOV	007/010-012/010-014/012

SOLTERWARN  
BT

HXUS BOU 272200  
PREDM 04028 05029 05030  
PREDX 00128 00129 00130  
PREDP 00128 00129 00130  
PCAIT 00128  
TENCM 21128 21629 22130  
AFRED 00728 01229 01430  
AFAPP 01028 01029 01230  
BT