

HFUS 3 80U 271406  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 301A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200UT 27 OCT 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE LAST 24 HOURS.  
THE ONLY FLARES OBSERVED HAVE BEEN IN THE C-CLASS XRAY RANGE.  
REGION 2744 (S19W59, BETA-GAMMA) IS STILL THE MOST INTERESTING  
REGION, BUT IT HAS BEEN FAIRLY QUIET. REGION 2761 (S04E26,  
BETA) HAS CONTINUED TO GROW SINCE ITS APPEARANCE 30 HOURS AGO  
AND HAS PRODUCED SEVERAL SUBFLARES.

IB. SOLAR ACTIVITY IS FORECAST TO BE MODERATE DURING THE  
NEXT 24 HOURS. REGION 2744 MAY BE ABLE TO MANAGE ANOTHER M-  
CLASS FLARE. REGION 2761 DEFINATELY BEARS WATCHING AS IT  
CONTINUES ITS GROWTH IN SPOT NUMBER AND AREA.

II. THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET (ASLEEP, IN  
FACT) DURING THE LAST 24 HOURS. WE STILL EXPECT THE FIELD TO  
INCREASE TO ACTIVE LEVELS LATE ON 27 OCT OR ON 28 OCT, IN  
RESPONSE TO A 23 OCT DISAPPEARING FILAMENT AND A 25 OCT MAJOR  
FLARE.

III. EVENT PROBABILITIES: 28-30 OCT

CLASS M 60/40/30

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 26 OCT 185

ESTIMATED 27 OCT 180

PREDICTED 28-30 OCT 175/173/170

90 DAY MEAN 26 OCT 184

V. GEOMAGNETIC A INDICES

OBSERVED AFR 25 OCT 19 AP 26 OCT 14

ESTIMATED AFR 26 OCT 12 AFR/AP 27 OCT 05/06

PREDICTED AFR/AP 28-30 OCT 18/18 10/12 08/08

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 301 B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200UT 27 OCT 1980

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS.  
THE LARGEST EVENT HAS BEEN A C7/SN AT 1721Z. SECONDARILY WAS A  
C6/IF AT 0212Z. THE OTHER X-RAY BURSTS HAVE BEEN BELOW C5.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THIS ZULU DAY. THE  
FIELD IS EXPECTED TO BE UNSETTLED THROUGH THE FORECAST PERIOD  
WITH SHORT INTERVALS OF ACTIVE CONDITIONS ON THE 28TH.

III. EVENT PROBABILITIES: 28-30 OCT

CLASS M 60/40/30

CLASS X 10/05/05

PROTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 27 OCT 180

PREDICTED 28-30 OCT 175/173/170

90 DAY MEAN 27 OCT 184

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 OCT 12/14

ESTIMATED AFR/AP 27 OCT 04/04

PREDICTED AFR/AP 28-30 OCT 18/10 10/12 08/08

SOLTERWARN

BT