

HFUS 1 BOU 081400  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 067A  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1200UT 08 MARCH 1981

I A. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
07/1200UT TO 08/1200UT:  
SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD, WITH ONLY C-CLASS  
EVENTS OBSERVED. REGION 2971 (N10E49) HAS SHOWN GOOD SPOT GROWTH  
AND HAS PRODUCED MOST OF THE RECENT SUBFLARE ACTIVITY. REGION  
2964 (S04W03) HAS BEEN SURPRISINGLY QUIET FOR A BETA-GAMMA TYPE  
REGION WITH 600 MILLIONTHS AREA.

B. SOLAR ACTIVITY FORECAST:  
SOLAR ACTIVITY IS EXPECTED TO BE MOSTLY LOW. REGION 2971 STILL  
MUST GROW BEFORE IT WILL HAVE GOOD MAJOR FLARE POTENTIAL. REGION  
2964 OFFERS THE BEST CHANCE OF AN M-CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST:  
THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS FORECAST TO REMAIN SO

III. EVENT PROBABILITIES: 09-11 MARCH

CLASS M	5	0/5	0/5	0
CLASS X	0	1	0/1	0/1
PROTON	0	1	0/1	0/1
PCAF	GREEN			

IV. OTTAWA 10.7 FLUX

OB SERVED	07 MARCH	205
ESTIMATED	08 MARCH	198 205
PREDICTED	09-11 MARCH	194/190/186
90 DAY MEAN	07 MARCH	204 205

V. GEOMAGNETIC AL INDICES

OB SERVED AFR	06 MAR	12	AP	07 MAR	19
ESTIMATED AFR	07 MAR	17	AFR/AP	08 MAR	07/08
PREDICTED AFR/AP	09-11 MAR	08/08	08/08	08/08	08/08
SOLTERWARN					
BT					

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDE NUMBER 067B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED ~2000UT 08 MARCH 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM

08/1200UT TO 08/2200UT:

SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. THE LARGEST EVENT WAS A C5/SB WITH X-RAY MAX AT 08/1903Z FROM REGION 2971 (N08E42). THIS REGION HAS PRODUCED MOST OF THE REPORTED FLARES DURING THIS PERIOD. REGIONS 2973 (S09W10), 2974 (N11E48), AND 2975 (S05E76) HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE LAST 10 HOURS. THE FIELD IS EXPECTED TO BE QUIET TO UNSETLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 09-11 MARCH

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 08 MAR 205

PREDICTED 09-11 MAR 194/190/186

90 DAY MEAN 08 MAR 204

V. GEOMAGNETIC INDICES

OBSERVED AFR/AP 07 MAR 17/19

ESTIMATED AFR/AP 08 MAR 09/12

PREDICTED AFR/AP 09-11 MAR 08/08 08/08 08/08

SOLTERWARN

BT