

WFUS 1 2000 191300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDE NUMBER 231A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 19 AUG 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
18/1200Z TO 19/1200Z:

SOLAR ACTIVITY IS STILL AT LOW LEVELS. MINOR FLARE ACTIVITY HAS  
CONTINUED, HOWEVER, WITH SEVERAL REGIONS PRODUCING THESE EVENTS.  
REGION 3266 (S16W16) IS STILL THE MOST PROMINENT REGION ON THE  
DISK AND HAS BEEN THE MOST ACTIVE REGION. NEITHER REGION 3279  
(S27E27) NOR REGION 3284 (S09E59) APPEAR AS THREATENING AS  
YESTERDAY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT LOW TO MODERATE  
LEVELS. AT MOST, ONE M-CLASS EVENT PER DAY IS EXPECTED FOR THE  
NEXT 3 DAYS. THE ATHENS SOLAR OBSERVATORY REPORTED AN ACTIVE  
SURGE REGION ON THE LIMB AT S05, INDICATING THE POSSIBILITY OF  
A RETURNING ACTIVE REGION.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, AND ACTIVE  
CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS. A CORONAL HOLE  
PASSAGE, A DISAPPEARING FILAMENT ON 18 AUG, AND RECURRENCE  
FROM THE LAST TWO SOLAR ROTATIONS ALL SUGGEST CONTINUED ACTIVITY.

III. EVENT PROBABILITIES: 20-22 AUG

CLASS M 75/75/85

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 18 AUG 238

ESTIMATED 19 AUG 242

PREDICTED 20-22 AUG 245/248/251

90 DAY MEAN 18 AUG 177

V. GEOMAGNETIC A INDICES

OBSERVED AFR 17 AUG 24 AP 18 AUG 25

ESTIMATED AFR 18 AUG 24 AFR/AP 19 AUG 13/13

PREDICTED AFR/AP 20-22 AUG 15/19 20/25 18/20

SOLTERWARN

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HEMS 3 EQU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDE NUMBER 231P

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 19 AUGUST 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/1200Z TO 19/2100Z: SOLAR ACTIVITY WAS MODERATE THIS PERIOD DUE TO A M2/1P EVENT FROM REGION 3279 (S16E21) AT 1316Z. STRONG SHORT WAVE FADE, TO 15 MHZ AND ALSO FLUX UNIT BURST AT 2695 MHZ WERE OBSERVED WITH THIS EVENT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE NEAR MODERATE LEVELS DURING THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED TO BE AT OR NEAR ACTIVE LEVELS DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 AUGUST - 22 AUGUST

CLASS M 75/75/85

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 AUGUST 245

PREDICTED 20-22 AUGUST 248/251/248

90-DAY MEAN 19 AUGUST 178

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 AUGUST 23/25

ESTIMATED AFR/AP 19 AUGUST 11/13

PREDICTED AFR/AP 20-22 AUGUST 15/19 - 20/25 - 18/20

SOLTERWARN

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