

HRUS 1 BCU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDE NUMBER 192A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 11 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
10/1200Z TO 11/1200Z:

SOLAR ACTIVITY HAS BEEN LOW EXCEPT FOR THE M1/SB EVENT AT  
10/15.18Z FROM REGION 3203 (S08E48). THIS CLASS E SPOT GROUP IS  
MILDLY COMPLEX AND IS SLOWLY GROWING. GROWTH OF SPOTS AND PLAGE  
IN THE TRAILING PORTION OF REGION 3200 (N21E28) HAS BEEN ACCOM-  
PANIED BY SMALL FLARES AND MAY REPRESENT A NEW REGION SEPARATE  
FROM REGION 3200. REGION 3204 (S27E46) IS SMALL BUT COMPLEX AND  
HAS POLARITIES REVERSED FROM NORMAL. A FILAMENT DISAPPEARED EARLY  
IN THIS PERIOD FROM NOAA 16. SMALL REGION 3208 (N14E42) IS  
GROWING SLOWLY.

IP. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY WILL SLOWLY INCREASE AS GROWTH CONTINUES AND  
ADDITIONAL REGIONS EMERGE AND ROTATE INTO VIEW AT NE LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD WAS QUIET UNTIL GRADUAL COMMENCEMENT OF A  
MINOR STORM AT ABOUT 0700Z. MINOR STORM CONDITIONS ARE EXPECTED  
TO CONTINUE ANOTHER 24 HOURS BEFORE A RETURN TO SLIGHTLY UN-  
SETTLED CONDITIONS.

III. EVENT PROBABILITIES: 12-14 JULY

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 10 JULY 149

ESTIMATED 11 JULY 154

PREDICTED 12-14 JULY 159/163/168

90 DAY MEAN 10 JULY 182

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 JULY 08 AP 10 JULY 07

ESTIMATED AFR 10 JULY 05 AFR/AP 11 JULY 15/15

PREDICTED AFR/AP 12-14 JULY 15/15 10/12 10/10

SOLTERWARN

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HFUS 3:RCU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 192B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 0200Z 11 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/1200Z  
TO 11/2100Z:

SOLAR ACTIVITY HAS BEEN LOW DURING THIS PERIOD. REGION 3200 (N21E21)  
PRODUCED A C3/1B EVENT AT 1517UT. REGION 3204 (S28E39) HAS PRODUCED  
3 SMALL EVENTS THIS PERIOD. NEW REGIONS TODAY 3209 (N21W33) AND  
3211 (N12E73), BOTH SIMPLE A-TYPE AND REGION 3210 (N23E31) A  
FAST GROWING D-TYPE.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE LOW-MODERATE DURING THE FORECAST  
PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS. THE GEOMAGNETIC  
FIELD IS EXPECTED TO BE UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES: 12 - 14 JULY

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 11 JULY 161

PREDICTED 12 - 14 JULY 170/175/180

90 DAY MEAN 11 JULY 181

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JULY 04/07

ESTIMATED AFR/AP 11 JULY 16/15

PREDICTED AFR/AP 12 - 14 JULY 15/15 10/12 10/10

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