

HFUS 1 BOU 141300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 195A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 14 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
13/1200Z TO 14/1200Z:

SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. HOWEVER,
REGIONS 3204 (S28E05), 3203 (S09E06) AND 3210 (N23W02) HAVE
CONTINUED TO DEVELOP IN WHITE LIGHT AND H ALPHA AND THEIR
STABLE BEHAVIOR IS NOT EXPECTED TO CONTINUE. REGION 3209
(N21W66) ALSO CONTINUES TO DEVELOP AND HAS CONSISTENTLY
PRODUCED C-CLASS FLARE ACTIVITY FOR THE PAST 48 HOURS. REGION
3214 (N15E60) IS NOW OBSERVED TO BE A D-TYPE GROUP OF
MODERATE MAGNETIC COMPLEXITY.

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH AN INCREASED
PROBABILITY OF MAJOR FLARES FROM REGIONS 3204, 3203, AND 3210.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN MOSTLY UNSETTLED FOR THE PAST
24 HOURS. THE FIELD IS EXPECTED TO BE QUIET TO SLIGHTLY UN-
SETTLED THROUGHOUT THE FORECAST PERIOD UNLESS A MAJOR SOLAR
FLARE FORCES REEVALUATION.

III. EVENT PROBABILITIES: 15 JULY - 17 JULY

CLASS M 75/80/80

CLASS X 20/20/20

PROTON 10/15/15

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 13 JULY 171

ESTIMATED 14 JULY 175

PREDICTED 15-17 JULY 178/183/183

90 DAY MEAN 13 JULY 179

V. GEOMAGNETIC A INDICES

OBSERVED AFR 12 JULY 20 AP 13 JULY 13

ESTIMATED AFR 13 JULY 11 AFR/AP 14 JULY 07/10

PREDICTED AFR/AP 15-17 JULY 10/12 08/10 08/12

SOLTERWARN

BT

HFUS 3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 195B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 14 JULY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/1200Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 9 HOURS. ONLY ONE SUBFAINT FLARE HAS BEEN REPORTED AND THAT WAS IN REGION 3210 (N21W10). NEW REGION 3215 IS REPORTED AT S19E64.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY, ALTHOUGH CURRENTLY LOW, IS EXPECTED TO INCREASE TO MODERATE LEVELS EVENTUALLY. REGIONS 3203 (S08W00), 3204 (S28W01) AND 3210 ALL HAVE M-CLASS FLARE POTENTIAL.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED DURING THE PAST 9 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 15 JULY - 17 JULY

CLASS M 75/80/80

CLASS X 20/20/20

PROTON 10/15/15

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 14 JULY 178

PREDICTED 15-17 JULY 180/181/183

90-DAY MEAN 14 JULY 178

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 JULY 12/13

ESTIMATED AFR/AP 14 JULY 09/10

PREDICTED AFR/AP 15-17 JULY 10/12 - 08/10 - 08/12

SOLTERWARN

BT