

16 17 18
15/15/15

FUS-3 BOU 142200.

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 226

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY REMAINS AT A MODERATE LEVEL. REGION COMPLEX 4278/4279 (S06W13)(S09W20) PRODUCED A LONG LIVED M1/1B FLARE AT 141658Z (MAX) THAT WAS ACCCOMPANIED BY A 210 FLUX UNIT 10CM BURST. REGION 4279 RETAINS A BETA GAMMA MAGNETIC CONFIGURATION WHILE 4278 IS CLASSED AS A SIMPLE BETA. THE COMPLEX AS A WHOLE CONTINUES ITS SLOW DECAY. A NEW "A" TYPE GROUP WAS NUMBERED TODAY: 4285 (N22E04). THE OTHER VISIBLE FEATURES REMAIN SMALL AND SIMPLE.

IIB. SOLAR ACTIVITY FORECAST: ACTIVITY SHOULD DECLINE IN CONJUNCTION WITH THE DECAY IN 4278 AND 4279; HOWEVER, AN M EVENT PER DAY REMAINS LIKELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: UNSETTLED CONDITIONS ARE EXPECTED TO PERSIST FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 15 AUG-17 AUG

CLASS M 80/80/80

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 AUG 139

PREDICTED 15 AUG-17 AUG 137/136/133

90 DAY MEAN 14 AUG 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 AUG 024/029

ESTIMATED AFR/AP 14 AUG 010/020

PREDICTED AFR/AP 15 AUG-17 AUG 013/015-013/015-010/015

SOLTERWARN

BT