

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 230

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4563 (N04W79) PRODUCED ALL OF THE OBSERVED ACTIVITY INCLUDING 4 SUBFAINT FLARES AND NOTABLE SURGES NEAR 1510 AND 1800 UT. NO C-CLASS X-RAY EVENTS HAVE OCCURRED. THE ONLY OTHER SPOTTED REGION ON THE DISK IS 4564 (S09E62) WHICH IS A STABLE H-TYPE SPOT. NO NEW REGIONS WERE NUMBERED AND THERE WAS NO REPORTED ACTIVITY ON THE EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT VERY LOW LEVELS THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO QUIET FOR THE NEXT TWO DAYS AND THE BEGINNING OF THE THIRD DAY. ON 20 AUGUST A MAGNETIC DISTURBANCE IS EXPECTED TO COMMENCE DURING THE MIDDLE OF THE DAY IN RESPONSE TO SOLAR EJECTA ASSOCIATED WITH A FILAMENT DISAPPEARANCE OBSERVED ON 16 AUGUST.

III. EVENT PROBABILITIES 18 AUG-20 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUG 079

PREDICTED 18 AUG-20 AUG 080/080/080

90 DAY MEAN 17 AUG 097

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 AUG 017/022

ESTIMATED AFR/AP 17 AUG 012/015

PREDICTED AFR/AP 18 AUG-20 AUG 010/015-010/010-020/025

SOLTERWARN