

HFUS3 BOU 092200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 191

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 09 JUL 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100 TO 09/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. EVENTS HAVE BEEN SCARCE AND INCLUDED OPTICAL SUBFLARES, A B CLASS X-RAY FLARE AND A MINOR RADIO BURST. REGIONS 4528 (N09W24), 4532 (S07W11) AND 4537 (S09E38) CONTRIBUTED ALL OF THE SUBFLARE ACTIVITY. REGION 4528 REMAINS STABLE. REGION 4532 HAS DECAYED SLIGHTLY AND FOR ALL PRACTICAL PURPOSES COULD BE CLASSIFIED AS TWO DISTINCT REGIONS. THIS WILL BE DONE TOMMORROW IF DECAY CONTINUES. REGION 4537 HAS GROWN IN WHITE LIGHT AND IS NOW CLASSIFIED AS A D TYPE SPOT GROUP. ONE NEW REGION WAS NUMBERED THIS PERIOD, 4539 (S07E75), AN A TYPE SPOT GROUP. THE REMAINDER OF THE DISK APPEARS QUIET AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE VERY LOW TO LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE, AT ALL LATITUDES, THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE QUIET TO UNSETTLED, AT ALL LATITUDES, THE FIRST TWO DAYS OF THE FORECAST PERIOD. THE FIELD SHOULD THEN REACH ACTIVE TO MINOR STORM LEVELS, AT ALL LATITUDES, THE FINAL DAY OF THE PERIOD. THIS INCREASE IN ACTIVITY IS DUE TO THE RETURN OF RECURRENT CORONAL HOLE STREAMS.

III. EVENT PROBABILITIES 10 JUL-12 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JUL 101

PREDICTED 10 JUL-12 JUL 102/103/103

90 DAY MEAN 09 JUL 118

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 JUL 011/013

ESTIMATED AFR/AP 09 JUL 011/015

PREDICTED AFR/AP 10 JUL-12 JUL 010/010-005/010-020/025

SOLTERWARN

BT