

HFUS 1 BOU 051300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 278A
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 05 OCT 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/1200Z TO 05/1200Z:
SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS, WITH ONLY CLASS C XRAY EVENTS AND SUBFLARES REPORTED. THERE ARE NINETEEN SMALL REGIONS ON THE DISK AND MOST ARE STABLE OR DECLINING. REGIONS 3375 (N13W23) AND 3377 (N09E24) HAVE SLIGHTLY COMPLEX MAGNETIC STRUCTURE AND CONTAIN THE LARGEST SPOT GROUPS WITH CLASS/ AREA OF D/200 AND D/160 RESPECTIVELY. THREE SMALL REGIONS 3379 (S05W01), 3380 (S16W50) AND 3386 (N20E22) ARE REPORTED GROWING RAPIDLY WITH BRIGHT POINTS AND PLAGE FLUCTUATIONS.

IB. SOLAR ACTIVITY FORECAST:
SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL WITH ONLY MINOR FLARE ACTIVITY AND ISOLATED CLASS M EVENTS LIKELY FROM THE REGIONS CURRENTLY ON THE DISK.

II. GEOPHYSICAL SUMMARY AND FORECAST:
THE GEOMAGNETIC FIELD HAS BEEN UNSETLED THE PAST 24 HOURS. UNSETLED CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 - 08 OCT

CLASS M	50/50/50
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED	04 OCT 191
ESTIMATED	05 OCT 197
PREDICTED	06-08 OCT 197/200/203
90 DAY MEAN	04 OCT 213

V. GEOMAGNETIC A INDICES

OBSERVED AFR	03 OCT 29	AP 04 OCT 15
ESTIMATED AFR	04 OCT 18	AFR/AP 05 OCT 10/15
PREDICTED AFR/AP	06-08 OCT 10/15	12/15 12/15
SOLTERWARN		
BT		

HEUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 2788

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 OCTOBER 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/1200Z
TO 05/2100Z: SOLAR ACTIVITY HAS CONTINUED AT LOW LEVELS. IT HAS
NOW BEEN 72 HOURS SINCE THE LAST M-CLASS EVENT, AND THE SUN
PRODUCED ONLY A FEW C1 AND C2 EVENTS DURING THE LAST 9 HOURS.
REGIONS 3375 (N13W32) AND 3377 (NOSE 19) ARE THE ONLY REGIONS
SHOWING ANY SORT OF MAGNETIC OR SPOT COMPLEXITY.

IB: SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL REMAIN LOW. THE
EAST LIMB HAS BEEN QUIET.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETLED, WITH ONLY TWO'S AND THREE'S FOR THE BOULDER
K-INDEX. NO CHANGE FROM THIS PATTERN IS EXPECTED.

III. EVENT PROBABILITIES 06 OCTOBER - 08 OCTOBER

CLASS M	50/50/50
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	05 OCTOBER 199
PREDICTED	06-08 OCTOBER 197/194/191
90-DAY MEAN	05 OCTOBER 213

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP	04 OCTOBER 17/15
ESTIMATED AFR/AP	05 OCTOBER 10/15
PREDICTED AFR/AP	06-08 OCTOBER 10/15 - 12/12 - 12/12

SOLTERWARN

BT