

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 068

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 MARCH 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY SUBFLARE/C-CLASS X-RAY EVENTS HAVE BEEN OBSERVED. REGIONS 2316 (S 12W 06) AND 2314 (N 18W 60) HAVE SHOWN THE ONLY ACTIVITY OF THE TEN SPOTTED REGIONS ON THE DISK. REGION 2316 PRODUCED A SUBFAINT FLARE AT 1316Z MAXIMUM, AND 2314 PRODUCED THREE SUBFAINT/C1 FLARES AT 0053Z MAXIMUM, 1235Z MAXIMUM, AND 1428Z MAXIMUM. THE LOCATION OF THIS REGION IS VERY CLOSE TO THE LOCATION OF SESC REGION 2302, CAUSING SOME CONFUSION IN FLARE AND SPOT REPORTING. TO ELIMINATE THIS, THE ENTIRE REGION WILL BE CONSIDERED 2314.

IB. SOLAR ACTIVITY SHOULD REMAIN AT LOW LEVELS THROUGH THE FORECAST PERIOD. REGIONS 2314 AND 2316 ARE BOTH GROWING SLOWLY, BUT APPEAR CAPABLE OF ONLY C-CLASS SUBFLARES. AS ASR IS VISIBLE AT SE 10 INDICATING A NEW REGION WHICH COULD BEAR WATCHING. THE REMAINING EIGHT SPOTTED REGIONS ARE SIMPLE AND UNIMPRESSIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET THROUGH THE PAST 24 HOURS WITH JUST BRIEF PERIODS REGISTERING IN THE LOW UNSETTLED CATEGORY. QUIET TO LOW UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE NEXT THREE DAYS. A SOLAR SECTOR BOUNDARY CURRENTLY LOCATED AT W 00 (CAR 140) COULD INCREASE THE ACTIVITY LATE ON THE THIRD DAY.

III. EVENT PROBABILITIES 09-11 MAR

CLASS M 10/15/15

CLASS X 01/01/01

PROB 0 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 167

PREDICTED 09-11 MAR 167/167/165

SD-DAY MEAN 08 MAR 201

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 07 MAR 08

ESTIMATED AFR/AP 08 MAR 07/08

PREDICTED AFR/AP 09-11 MAR 07/08 - 07/08 - 07/08

SOLARWARN

BT