

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
(S12W06) AND 2314 (N18W60) 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 SR IS VISIBLE
AT SE10 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 W09 (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

PROTO 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 MAR 167

PREDICTED 09-11 MAR 167/167/165

30-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

SOLTERWARN

BT