

HEHS 1 PCH 261230

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
CDF NUMBER 238A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 26 AUGUST 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
25/1200Z TO 26/1200Z:

SOLAR ACTIVITY HAS BEEN LOW EXCEPT FOR A SINGLE M1/1B FLARE AT
0344Z FROM REGION 3284 (S12W26). THIS IS STILL THE DOMINANT
REGION ON THE DISK BUT WITH A SCATTERING OF SMALL SPOTS.
OCCASIONAL EPISODES OF SMALL EMERGING FLUX AND A COMPLEX
NEUTRAL LINE GIVE IT CONTINUED POTENTIAL FOR FLARES NEAR
CLASS M STRENGTH. MINOR GROWTH IS REPORTED IN REGIONS 3281
(N11W51) AND 3293 (N10W17). SURGES ARE REPORTED AT S15E90.
A MINOR DELTA CONFIGURATION MAY EXIST IN SMALL REGION
3298 (N14E54).

IB. SOLAR ACTIVITY FORECAST:

THERE ARE NO SIGNIFICANT GROWING TRENDS TO PRODUCE AN IN-
CREASE IN THE CURRENT ACTIVITY LEVEL. SMALL CLASS M FLARES MAY
OCCUR EVERY OTHER DAY.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BECOME MORE QUIET THROUGHOUT THIS
DAY. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED UNTIL 29 AUGUST
WHEN ACTIVE CORONAL STRUCTURES NEAR A CORONAL HOLE ARE EX-
PECTED TO RESULT IN UNSETTLED TO ACTIVE GEOMAGNETIC CONDI-
TIONS.

III. EVENT PROBABILITIES: 27-29 AUGUST

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 25 AUG 249

ESTIMATED 26 AUG 242

PREDICTED 27-29 AUG 235/230/225

90 DAY MEAN 25 AUG 184

V. GEOMAGNETIC A INDICES

OBSERVED AFR 24 AUG 24 AP 25 AUG 18

ESTIMATED AFR 25 AUG 12 AFR/AP 26 AUG 08/08

PREDICTED AFR/AP 27-29 AUG 08/10 08/10 15/18

SOLTERHARN

BT

HEHIS 3 R011 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO
SDF NUMBER 2300

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 AUGUST 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/1200Z
TO 26/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 9 HOURS.
SMALL C-CLASS SUBFLARES HAVE BEEN NOTED IN REGIONS 3284 (S12W34),
3295 (N16E28), 3281 (N11W58) AND 3288 (N21E07). NEW REGIONS 3300
(S12E75) AND 3301 (S17W44) HAVE BEEN REPORTED TODAY.

IB. SOLAR ACTIVITY FORECAST: MANY OF THE THIRTEEN ACTIVE REGIONS
CURRENTLY ON THE VISIBLE DISK HAVE SHOWN SOME GROWTH TODAY. THIS
GROWTH TREND IS PRESENTLY CONSIDERED TO BE ONLY TEMPORARY. THERE
IS A FAIR CHANCE OF ISOLATED SMALL M-CLASS X-RAY EVENTS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET TO MILDLY UNSETTLED DURING THE PAST 9 HOURS. THE FIELD
SHOULD BE MILDLY UNSETTLED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 27 AUGUST - 29 AUGUST

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUGUST 268

PREDICTED 27-29 AUGUST 263/257/249

30-DAY MEAN 26 AUGUST 185

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 AUGUST 15/18

ESTIMATED AFR/AP 26 AUGUST 07/08

PREDICTED AFR/AP 27-29 AUGUST 08/10 - 08/10 - 15/18

SOLTERWARN

BT