

HFUS 1 BOU 092200

FROM SPAC ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 040

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 FEBRUARY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH ONLY C-CLASS SUBFLARES OBSERVED. THE LARGEST EVENT WAS A C7 X-RAY EVENT AT 1156Z WITHOUT OPTICAL VERIFICATION. REGION 2266 (S17W66) HAS PRODUCED TWO RADIO AND TWO OPTICAL EVENTS AND IS PRESENTLY CLASSIFIED BETA-GAMMA-DELTA. REGION 2276 (S13E10) HAS NOT PRODUCED FLARES BUT HAS DISPLAYED AN ACTIVE DARK FILAMENT AND ENHANCED FLARE. REGION 2273 (N27W16) HAS PRODUCED 3 EVENTS AND BRIGHT POINTS AND PRESENTLY DISPLAYS AN ARCH FILAMENT SYSTEM. REGION 2274 (N03W58) HAS SHOWN SOME GROWTH, REMAINS A MAGNETIC CLASS BETA. SURGING HAS BEEN OBSERVED AT S15 - POSSIBLY RETURNING REGION 2247. ALSO SURGING AT N09 MAYBE RETURNING REGION 2245. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION 2266 AND 2276 HAVING THE GREATEST FLARE POTENTIAL. OTHER REGIONS OF INTEREST ARE REGIONS 2273 AND 2274.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE NEXT 24 HOURS AND THEN DECREASING TO UNSETTLED FOR THE REMAINDER OF THE 3-DAY FORECAST PERIOD.

III. EVENT PROBABILITIES 10 FEBRUARY - 12 FEBRUARY

CLASS M 80/80/90

CLASS X 10/05/10

PROTON 10/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 FEBRUARY 217

PREDICTED 10-12 FEBRUARY 210/204/200

30-DAY MEAN 09 FEBRUARY 209

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 FEBRUARY 13

ESTIMATED AFR/AP 09 FEBRUARY 13/13

PREDICTED AFR/AP 10-12 FEBRUARY 17/12 - 09/18 - 09/12

SOLTERWARN

BT