

HFUS: I BOU 092200Z

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER CO

SDF NUMBER 252

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 SEPT 1978

I A. SOLAR ACTIVITY WAS AT A LOW LEVEL DESPITE THE PRESENCE OF SEVERAL REGIONS CAPABLE OF ENERGETIC ACTIVITY. MOST OF THE DAY'S ACTIVITY, LOW C CLASS FLARES, APPEARS TO BE COMING FROM REGION 1278 (N37W90) WHICH IS GROWING RAPIDLY AND FLARE BRIGHT. THE REMAINDER OF THE DISK REGIONS APPEARED STABLE OR DECLINING. FROM OSO X-RAY SCANS, AN ACTIVE REGION APPEARS TO BE APPROACHING THE EAST LIMB NEAR S20, POSSIBLY THE RETURN OF REGION 1254.

B. SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL. INFREQUENT ENERGETIC EVENTS ARE POSSIBLE FROM THE 1271/1276 COMPLEX NEAR N16 W80, THE 1272/1282 COMPLEX NEAR S25 W65 AND TO A LESSER EXTENT FROM 1284 (N32E28) AND 1286 (N15E65). INCREASED ACTIVITY MAY COME FROM THE SE LIMB AREA.

II. THE GEOMAGNETIC FIELD WENT FROM ACTIVE CONDITIONS EARLY IN THE UT DAY, ESPECIALLY AT HIGH LATITUDES, TO NEARLY QUIET LATE IN THE DAY. GENERALLY UNSETTLED CONDITIONS WITH SOME ACTIVE PERIODS ARE EXPECTED THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10-12 SEPT

CLASS M 90/80/70

CLASS X 10/5/5

PROTON 5/5/5

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEPT 159

PREDICTED 10-12 SEPT 152/145/138

90-DAY MEAN 09 SEPT 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 SEP 24

ESTIMATED AFR/AP 09 SEP 16/18

PREDICTED AFR/AP 10-12 SEP 12/16 - 10/13 - 8/13

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SDF NUMBER 252

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 SEPTEMBER 1979

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1980 (N 15E 16)  
PRODUCED A M1/1B AT 0248Z (MAX). OTHER ACTIVITY HAS BEEN CONFINED  
TO LOW LEVEL CLASS C SUBFLARES. REGIONS 1980, 1967 (N 13W 52), 1972  
(N 14E 06), AND 1979 (N 12E 52) ALL HAVE A BETA GAMMA CONFIGURATION.  
MAGNETOGRAMS SHOW REGION 1979 TO BE TWO BIPOLAR SETS LOCATED  
CLOSELY TOGETHER. REGION 1981 (N 28E 76) HAS A COMPACT MODERATELY  
BRIGHT CALCIUM PLAGE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGIONS  
1972/1980 AND 1979 CAPABLE OF PRODUCING LOW LEVEL CLASS M X-RAY  
EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED.  
THESE CONDITIONS ARE EXPECTED TO CONTINUE THROUGH THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES 10 SEPTEMBER - 12 SEPTEMBER

CLASS M 5/0/5 0/5/0

CLASS X 0/1/0 1/0/1

PREDICTED 0/1/0 1/0/1

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 SEPTEMBER 185

PREDICTED 10-12 SEPTEMBER 187/189/192

5-DAY MEAN 09 SEPTEMBER 168

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 08 SEPTEMBER 06

ESTIMATED AFR/AP 09 SEPTEMBER 04/10

PREDICTED AFR/AP 10-12 SEPTEMBER 07/10 - 05/07 - 05/07

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