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HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 260

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 SEPTEMBER 1980

I. SOLAR ACTIVITY HAS BEEN LOW. REGION 2665 (N15W36) HAS PRODUCED SEVERAL C-CLASS SUBFLARES DURING THE PAST 24 HOURS. REGION 2675 (S13E02) HAS PRODUCED A SUB-BRILLIANT FLARE AT 2049Z. IT PRESENTLY APPEARS WITH COMPACT PLAGE BRIGHT POINTS AND A COMPLEX NEUTRAL LINE WITH SEVERAL KINKS. RESTRUCTURING AND GROWTH IS OBSERVED IN THE TRAILER SPOTS WHILE THE LEADER DECAYS. REGION 2672 (S11W07) APPEARS NEAR THE 2675 COMPLEX AND HAS PRODUCED 2 SUB-FLARES WITHOUT X-RAYS. NEW REGION 2681 (N39W26) PRESENTLY APPEARS AS A SIMPLE BI-POLE AND HAS PRODUCED ONE SUBFLARE. NEW REGION 2682 (N16W04) WAS OBSERVED TO BE AN A-TYPE GROUP WITHOUT ASSOCIATED PLAGE. A LARGE FILAMENT LOCATED AT CENTRAL MERIDIAN N30-50 DISAPPEARED BETWEEN 1438Z AND 1515Z. ALL OTHER DISK AND LIMB FEATURES ARE REPORTED QUIET AND STABLE.

II. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT LOW LEVELS WITH THE GOOD PROBABILITY OF C-CLASS SUBFLARES FROM EITHER 2665 OR 2675/2672 COMPLEX DURING THE NEXT 24 HOURS.

III. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO BE UNSETLED DURING THE NEXT 72 HOURS. AS A RESULT OF THE DISAPPEARING FILAMENT TODAY A SLIGHT MAGNETIC DISTURBANCE IS POSSIBLE ON APPROXIMATELY THE 20TH.

IV. EVENT PROBABILITIES 17 SEPTEMBER - 19 SEPTEMBER

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

V. OTTAWA 10.7 CM FLUX

OBSERVED 16 SEPTEMBER 158

PREDICTED 17-19 SEPTEMBER 151/151/153

90-DAY MEAN 16 SEPTEMBER 185

VI. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 SEPTEMBER 09

ESTIMATED AFR/AP 16 SEPTEMBER 07/09

PREDICTED AFR/AP 17-19 SEPTEMBER 08/10 - 10/10 - 08/10

SOLTERWARN

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