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HF US: 1 BOUL 721300

FROM SIACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 224A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 12 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
11/7200Z TO 12/1200Z: SOLAR ACTIVITY HAS CONTINUED LOW. THE

ARGEST EVENT DURING THE PAST 24 HOURS WAS A C6/IW AT 0348Z IN REGION 3847 (S19W70). AFTER A RAPID EMERGENCE YESTERDAY, THIS REGION APPEARS TO BE STABILIZING ITS GROWTH. OPTICAL FLARES HAVE BEEN REPORTED FOR EIGHT DIFFERENT REGIONS; HOWEVER, ASSOCIATED X-RAY BURSTS HAVE BEEN OF THE LOW CLASS C VARIETY. DESPITE THE DAILY EMERGENCE OF SEVERAL NEW REGIONS, THE WHOLE DISK 10 CM FLUX CONTINUES TO DROP; INDICATING AN ACCELERATED DECAY IN REGIONS 3837 (N10W34) AND 3839 (N12W17). AMONG THE OTHER DISK REGIONS, ONLY REGION 3845 (N17E20) HAS SHOWN SOME ADDITIONAL GROWTH. GULGOORA REPORTS NEW FLUX EMERGING NEAR S26W15 AND N13W05.

B. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW WITH ONLY ISOLATED CLASS M ACTIVITY PROBABLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. AS OF 1200Z, NO PLASMA FROM THE FILAMENT WHICH DISRUPTED ON 09 AUGUST HAD REACHED THE ISEE SPACECRAFT. THERE IS A SLIGHT CHANCE THE EXPECTED STORM WILL ARRIVE DURING THE NEXT 12 HOURS. AFTER THAT THE FIELD IS EXPECTED TO BE ACTIVE.

III. EVENT PROBABILITIES 13 AUG-15 AUG

CLASS M 60/50/40

CLASS X 05/01/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OB SERVED	11 AUG	202
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EST IMATED	12 AUG	194
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PREDICTED	13 AUG - 75 AUG	185 / 175 / 165
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90 DAY MEAN	11 AUG	1.65
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V. GEOMAGNETIC A INDICES

OB SERVED AFR	10 AUG	026	AP 11 AUG	027
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EST IMATED AFR	11 AUG	022	AFR/AP 12 AUG	025/035
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PREDICTED AFR/AP	13 AUG - 75 AUG	022/025-018/020-015/020
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HFUS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 224B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 AUG 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/1200Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN LOW, WITH A C2/SE OUT OF 3839 (N12W25) BEING THE ONLY XRAY EVENT. BOTH REGIONS 3837 (N09W42) AND 3839 CONTINUED TO DECREASE IN MAGNETIC COMPLEXITY, AND REGION 3839 DECREASED TO HALF OF YESTERDAYS AREA IN WHITE LIGHT. REGION 3843 (S08E03) HAS GROWN RAPIDLY IN WHITE LIGHT AND DEVELOPED A MAGNETIC DELTA. 3857 (S26W25), A SMALL A GROUP WAS THE ONLY NEW REGION NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH ONLY ISOLATED CLASS M ACTIVITY PROBABLE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THERE HAS BEEN NO ACTIVITY FROM THE FILAMENT THAT DISRUPTED ON 9 AUGUST. THERE IS A SLIGHT CHANCE THAT WE WILL STILL EXPERIENCE A MAG STORM FROM THIS EVENT. ACTIVE GEOMAGNETIC CONDITIONS ARE EXPECTED THROUGH THE PERIOD.

III. EVENT PROBABILITIES 13 AUG-15 AUG

CLASS M 60/50/40

CLASS X 05/01/01

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 AUG 191

PREDICTED 13 AUG-15 AUG 185/170/160

90 DAY MEAN 12 AUG 166

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 AUG 018/027

ESTIMATED AFR/AP 12 AUG 025/025

PREDICTED AFR/AP 13 AUG-15 AUG 022/025-020/020-015/020

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