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HFUS 1 BOU 170500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 229A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 17 AUGUST 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. ONE  
SMALL ENERGETIC EVENT WAS OBSERVED AT 17/0430Z.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED DURING THE  
PAST 8 HOURS. THIS UNSETTLED CONDITION WILL CONTINUE DURING THE  
NEXT 24 HOURS.

III. EVENT PROBABILITIES - NO CHANGE

IV. OTTAWA 10.7 CM FLUX - NO CHANGE

V. GEOMAGNETIC A INDICES - NO CHANGE

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HFUS 1 BOU 171500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 229B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1500Z 17 AUGUST 1974

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 10 HOURS, AND NO MAJOR ACTIVITY HAS BEEN REPORTED. REGIONS 468 (N09W41) AND 469 (S17W55) HAVE BOTH SHOWN RECENT DEVELOPMENT IN BOTH H-ALPHA AND WHITE LIGHT. SEVERAL SMALL CLASS C X-RAY BURSTS HAVE OCCURRED DURING THE PAST 10 HOURS, PROBABLY IN RESPONSE TO MINOR ENHANCEMENTS IN REGIONS 468 AND 469. MINOR LIMB ACTIVITY HAS OCCURRED NEAR N10E90, S15E90, AND S10W90.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 468 AND 469 PROBABLY WILL PRODUCE SPORADIC MINOR FLARES AND PLAGE ENHANCEMENTS. NEW REGIONS MAY CROSS THE EAST LIMB NEAR N10E90 AND S15E90.

II. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET.

QUIET TO UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 17 AUG - 19 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 AUG 94

PREDICTED 17 AUG - 19 AUG 92/90/88

90-DAY MEAN 16 AUG 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 AUG 03

ESTIMATED AFR/AP 16 AUG 09/10

PREDICTED AFR/AP 17 AUG - 19 AUG 10/11 - 12/13 - 24/31

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HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 229

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 AUGUST 1974

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS, AND ONLY A FEW CLASS C SUBFLARES HAVE BEEN REPORTED. REGION 468 (N10W45) HAS SHOWN MODERATE DEVELOPMENT IN THE TRAILING SECTION, BUT MAGNETIC FIELD GRADIENTS DO NOT APPEAR STRONG. REGION 469 (S16W58) HAS SHOWN DEVELOPMENT IN ALL SIGNIFICANT PARAMETERS, BUT THIS REGION STILL EXHIBITS A SIMPLE BIPOLAR STRUCTURE WITH MODERATE MAGNETIC FIELD GRADIENTS. REGION 466 (S03W61) HAS SHOWN SLIGHT DECAY. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE. MINOR LIMB ACTIVITY HAS OCCURRED RECENTLY NEAR N10E90, S15E90, AND S10W90.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGIONS 468 AND 469 ARE EXPECTED TO PRODUCE MOST OF THE ACTIVITY, CONSISTING OF SMALL, RELATIVELY NON-ENERGETIC SUBFLARES. MAJOR ACTIVITY IS CONSIDERED UNLIKELY, DUE TO THE RELATIVELY LACK OF MAGNETIC COMPLEXITY IN THE REGIONS PRESENTLY VISIBLE. NEW ACTIVE REGIONS SOON MAY APPEAR NEAR N10E90 AND S15E90.

II. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS ARE LIKELY DURING THE NEXT 12-24 HOURS, FOLLOWED BY MINOR STORM CONDITIONS ON 19 AND 20 AUGUST. THIS MINOR STORM IS OF THE RECURRENT TYPE, AND MAXIMUM DISTURBANCE IS LIKELY DURING LOCAL NIGHT.

III. EVENT PROBABILITIES 18 AUG - 20 AUG

CLASS M 10/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUG 96

PREDICTED 18 AUG - 20 AUG 92/90/85

90-DAY MEAN 17 AUG 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 AUG 09

ESTIMATED AFR/AP 17 AUG 06/07

PREDICTED AFR/AP 18 AUG - 20 AUG 11/12 - 37/55 - 32/45

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