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HFUS 3 BOU 301500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 120B

JOINT USAF/NOAA SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 30 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 9 HOURS. REGION 1092 (N21E11) HAD A SB FLARE AT 1224Z (MAX). REGION 1095 (N22 E33) HAS HAD SOME PLAGE FLUCTUATIONS BUT OTHERWISE IS QUIET. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE WITH MAJOR FLARE ACTIVITY STILL EXPECTED FROM REGION 1092.

II. THE GEOMAGNETIC FIELD WAS QUIET UNTIL 1000Z WHEN IT BECAME ACTIVE. A MINOR GEOMAGNETIC STORM IS EXPECTED TODAY FOLLOWED BY A MAJOR STORM LATE ON 01 MAY.

III. EVENT PROBABILITIES 30 APRIL - 02 MAY

CLASS M 95/95/95

CLASS X 70/60/50

PROTON 80/60/40

PCA IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 APRIL 183

PREDICTED 30 APRIL - 02 MAY 184/184/180

90-DAY MEAN 29 APRIL 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 APRIL 14

ESTIMATED AFR/AP 29 APRIL 04/08

PREDICTED AFR/AP 30 APRIL - 02 MAY 30/30 - 40/40 - 60/60

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HFUS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 129

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 APRIL 1978

IA. SOLAR ACTIVITY HAS BEEN HIGH. REGION 1092 (N21E06) HAD A 3B FLARE (X-2 X-RAY) AT 1446Z (MAX), AND A SF FLARE AT 1720Z (MAX). REGION 1095 (N22E37) HAS BEEN STABLE WITH SOME PT. BRIGHTENINGS. NEW REGION 1098 (S30W57) IS A B-TYPE GROUP WITH 7 SPOTS. AN AFS WAS PRESENT DURING THE DAY. THE PROTON EVENT IS STILL IN PROGRESS. REGION 1097 (N36W67) HAS NO SPOTS. THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE TO HIGH. REGION 1092 STILL RETAINS POSSIBILITIES OF MAJOR FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO MINOR STORM LEVELS. AN SSC OCCURRED AT 0952Z. THE FIELD IS EXPECTED TO BE AT MAJOR STORM LEVELS FOR THE NEXT 48 HOURS. PCA IS STILL IN PROGRESS. MAXIMUM ABSORPTION WAS 9.8 DB AT 1745Z. CURRENT LEVELS ARE 9.3 DB.

III. EVENT PROBABILITIES 01 MAY - 03 MAY

CLASS M 95/95/95

CLASS X 80/60/40

PROTON 40/30/20

PCA IN PROGRESS

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 APRIL 210

PREDICTED 01-03 MAY 211/211/209

90-DAY MEAN 30 APRIL 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 APRIL 06

ESTIMATED AFR/AP 30 APRIL 28/40

PREDICTED AFR/AP 01-03 MAY 50/50 - 55/60 - 30/30

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